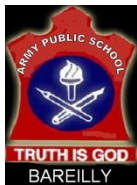


NOT TO BE SENT BY EMAIL



**ARMY PUBLIC SCHOOL
BAREILLY**

Cost of Form Rs. 500/-

Tele No : 0581-2421489 (Civil)

: 240-6930 (Mil)

Email: apsbareillycantt@gmail.com

1035/Porta Cabin/SW/APS

Nov 2019

M/s _____

**REQUEST FOR PROPOSAL (RFP) FOR SUPPLY AND CONSTRUCTION OF ONE PUF INSULATED
PREFAB MODULAR SHELTER (01 ROOM) OF SIZE 9000 X 6000 MM WITH AN OPEN VERANDAH OF
SIZE 9000X1500 MM AT SENIOR WING, APS, BAREILLY**

Dear Sir/Madam,

1. Please refer advertisement published in News Paper Amar Ujala & Dainik Jagran on 05 Nov 2019.
2. Bids in sealed cover are invited for " Supply and Construction of Porta Cabin for Senior Wing, APS, Bareilly" in Part II of this RFP. Please super scribe the above mentioned Title, RFP number and date of opening of the bids on the sealed cover to avoid the bid being declared invalid.
3. The address and contact numbers for sending physical docu or seeking clarifications regarding this RFP are given below:-
 - (a) Bids/queries to be addressed to : The Principal
Army Public School, Bareilly
 - (b) Postal address for sending the Bids : Birdwood Lines, Bareilly - 243 001
 - (c) Name/designation of the contact personnel : Mr S K Saxena, Principal
Army Public School, Bareilly
 - (d) Telephone numbers of the contact personnel: 9458607117
0581-2510490, 0581 - 2421489
4. This RFP is divided into five Parts as follows:-
 - (a) **Part I** – Contains General Information and Instructions for the bidders about the RFP such as the time, place of submission and opening of tenders, Validity period of tenders, etc.
 - (b) **Part II** – Contains essential details of the items/services required, such as the Schedule of Requirements (SOR), Technical Specifications, Delivery Period, Mode of Delivery and Consignee details.
 - (c) **Part III** – Contains Standard Conditions of RFP, which will form part of the supply order/contract with the successful Bidder.
 - (d) **Part IV** – Contains Special Conditions applicable to this RFP and which will also form part of the supply order/ contract with the successful bidder.
 - (e) **Part V** – Contains Evaluation Criteria and Format for Price Bids.
5. This RFP is being issued with no financial commitment and the Buyer reserves the right to change or vary any part thereof at any stage. Buyer also reserves the right to withdraw the RFP, should it become necessary at any stage.
6. Please acknowledge receipt.

(S K Saxena)
Principal

PART I – GENERAL INFORMATION

1. **Last date and time for depositing the Bids : 1200hrs on 25 Nov 2019.**

(The sealed Bids (both Technical and Commercial) should be deposited/reach by the due date and time i.e (within 21 days from the date of issue of tender enquiry). The responsibility to ensure this lies with the Bidder)

2. **Manner of Depositing the Bids.** Sealed Bids should be either dropped in the Tender Box marked as **APS, Bareilly, Tender Box** or sent by registered post at the address given above so as to reach by the due date and time. Late tenders will not be considered. No responsibility will be taken for postal delay or non delivery/ non-receipt of Bid documents. Bids sent by e-mail will not be considered (unless they have been specifically called for by these modes due to urgency).

3. **Time and Date for Opening of Bids** : Date & Time will be intimated on telephonically as per direction of Presiding Officer as detailed by Stn HQ Cell, Bareilly (UP).

(If due to any exigency, the due date for opening of the Bids is declared a closed holiday, the Bids will be opened on the next working day at the same time or on any other day/time, as intimated by the Buyer).

4. **Location of the Tender Box** : **Adm Block, Army Public School, Bareilly**

(Only those Bids that are found in the tender box will be opened. Bids dropped in the wrong Tender Box will be rendered invalid).

5. **Place of Opening of the Bids** : **Adm Block, Army Public School, Bareilly**

(The Bidders may depute their representatives, duly authorized in writing, to attend the opening of Bids on the due date and time. Rates and important commercial/technical clauses quoted by all Bidders will be read out in the presence of the representatives of all the Bidders. This event will not be postponed due to non-presence of your representative)

6. **Two-Bid System.** Two-bid system only will be followed, **Technical and commercial Bids will be sealed in separate envelopes and both bids sealed in one envelope. Only the Technical Bid would be opened on the date & time (As specified in para 3 above).** Date of opening of the Commercial Bid will be intimated after acceptance of the Technical Bids. Commercial Bids of only those firms will be opened, whose Technical Bids are found complied/suitable after Technical evaluation is done by the Buyer.

7. **Forwarding of Bids.** Bids should be forwarded by Bidders under their original memo / letter pad inter alia furnishing details like TIN number, VAT/CST number, Bank address with NEFT Account if applicable, etc and complete postal & e-mail address of their office.

8. **Clarification Regarding Contents of the RFP.** A prospective bidder who requires clarification regarding the contents of the bidding documents shall notify to the Buyer in writing about the clarifications sought not later than 07 (seven) days prior to the date of opening of the Bids. Copies of the query and clarification by the purchaser will be sent to all prospective bidders who have received the bidding documents.

9. **Clarification regarding contents of the Bids.** During evaluation and comparison of bids, the Buyer may, at its discretion, ask the bidder for clarification of his bid. The request for clarification will be given in writing and no change in prices or substance of the bid will be sought, offered or permitted. No post-bid clarification on the initiative of the bidder will be entertained.

10. **Rejection of Bids.** Canvassing by the Bidder in any form, unsolicited letter and post-tender correction may invoke summary rejection with forfeiture of EMD. Conditional tenders will be rejected.

11. **Unwillingness to quote.** Bidders unwilling to quote should ensure that intimation to this effect reaches before the due date and time of opening of the Bid, failing which the defaulting Bidder may be delisted for the given range of items as mentioned in this RFP.

12. **Validity of Bids.** The Bids should remain valid till **180 days** from the last date of submission of the Bids.

Date :

Signature of the Authorized Signatory with company's seal

13. **EMD:** Bidders are required to submit Earnest Money Deposit (EMD) for an amount of **Rs 8500/-** (Rupees eight thousand five hundred only) along with their bids in favour of **Army Public School, Bareilly**. The EMD may be submitted in the form of an Account Payee Demand Draft, Fixed Deposit Receipt or Bank Guarantee from any of the public sector banks or a private sector bank authorized to conduct government business **EMD is to remain valid for a period of "Three Months" beyond the final bid validity period.** **EMD of the unsuccessful bidders will be returned to them at the earliest after expiry of the final bid validity and latest on or before the 30th day after the award of the contract. The Bid Security of the successful Bidder would be returned, without any interest whatsoever, after the receipt of performance security from them as called for in the contract. The EMD will be forfeited if the bidder withdraws or amends impairs or derogates from the tender in any respect within the validity period of their tender. EMD to be submitted in a separate envelop alongwith the technical bid.**

Date :

Signature of the Authorized Signatory with company's seal

PART II – ESSENTIAL DETAILS OF ITEMS/WORK/SERVICE REQUIRED

1. **Schedule of Requirements:-**

(a) Description of Work/ items required is as follows:-

S/No	Description of Items	A/U	Qty
1.	<p>“Supply, erection and construction” of Prefabricated RHS store shelter of size 9000 x 6000mm (internal dimensions) and 3.00 m clear height upto false ceiling from “Finished Floor Level” with false ceiling along with columns, trusses, purlins, runners and rafters. One side verandah of size 9000 x 1500mm, height 3.00 m at shelter end and 2.70 m at outer edge of veranda with continuous roof slope without false ceiling. The roof sheet shall be made of camouflage pattern galvalume pre coated profile sheet 0.50 mm thick including one corrugation projection on one side for overlap on adjacent panel and roofing fixed with self tapping screws. Galvalume pre coated pre colored profile sheet of 0.50 mm thickness for wall cladding above gable end and fixed with self-tapping screws. (Make - Essar /JSW/Jindal). Wall panels shall be made of GI metal skin PUF camouflage pattern panels of thickness 40 mm with both side GI skin being 0.5 mm thick and having a 50 microns thick PVC guard film on the finished surface for protection against scratches during handling (Make: Sintex / Isolloyd/ Jindal/Isotherm PUF Panel) 03 Nos of PUF panel doors and aluminum frame of size 915 x 2233mm and 02 Nos powder coated aluminum windows of size of 1200 x 1200 mm with aluminum grill having etc fixtures for door, window as per requirement. 16 mm dia 600 mm long foundation bolts, self tapping screw, nut/ bolts for purlin, truss, rafters etc supplied as per requirement with 10% extra. List of store required to erect in the subject work is given at Financial Bid (Cover-II). Drawing are attached at Appendix ‘B’ and detailed technical specification of work are given in Appx ‘A’. Internal electrification and fixtures will be provided and fixed as per list. The labour required for completion of the construction will also form the part of this job.</p>	No	01

(b) Responsibility of the vendor/Scope of Work. Satisfactory construction/ installation of Porta Cabin at Army Public School (Senior Wing) shall be an important part of the scope of Work to be executed by the vendor. The layout diagram of Porta Cabin are proposed to be construction/ installed is as per **Appendix B**. Dealer must interact with the Principal, Army Public School, Bareilly to ascertain the requirements, after obtaining prior appointment, within 10 days of issue of this RFP.

Date :

Signature of the Authorized Signatory Company’s Seal

2. **Technical Specification of Work.**

(a) **Technical Specification.** Form for Technical Specification bid containing all specification, technical parameter is attached **Appendix 'A'**.

(b) **Instructions for Filling Up Technical and Commercial Bid.** The following points will be strictly adhered to while filling up the tender enquiry :-

(i) **Technical Bid (Cover-I).** It will comprise of following:-

(aa) **QR Compliance Statement.** Only the format given at para 3 to this tender enquiry will be used for submission of technical bid. Companies will affix their company's stamp at the top of each sheet and the authorized signatory of the company must sign this additional sheets, duly authenticated, may be attached if necessary to elucidate specifications or to clarify a point. **While filling up the Technical Bid, you should tick YES and score out No for compliance and vice versa for non compliance.**

(ab) EMD for Rs. 8500/- (Rupees eight thousand five hundred only) in original and should be valid for the period of minimum **three months.**

(ac) Certificate for technical literature of original manufacturer of equipment (OEM) for each equipment will be enclosed OEM/Authorized distributor/sale partner.

(ad) Copy of enlistment letter from and Defence Formation/Central Govt/ State Govt.

(ae) **Quality Certificate.** Valid TAC/ISO09000/ISO9001/QA Certificate must be submitted by the bidder or his partners along with technical bid.

(af) Photo Copy of PAN Card of the firm/owner of the firm duly attested.

(ag) Proof of address (in the form of elec/tele bill separately for office,shop/show room and factory).

(ii) **Commercial Bid.** Only the form given for commercial bid (Cover-II) should be used to fill up rates. Following points should be kept in mind while submitting the Commercial Bid:-

(aa) The authorized signatory of the company must sign the form.

(ab) The basic cost is to be indicated for construction work. In addition to his installation, commissioning and all other taxes as applicable (if any) in Uttar Pradesh.

(ac) Total Cost will be clearly indicated both in figures and words

(ad) Please quote for construction work, incomplete quotation is liable to be rejected.

(iii) **Validity of Commercial Bid.** Commercial bid should be valid for at least **180 days from the date of closing of tender.**

(iv) Alterations if any, in the tender documents should be attested properly by the vendor, failing which the tenders are liable to be rejected. Vendors will not make any assumption while submitting their bids. If required, clarification will be sought prior to submission of bids.

Date :

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(v) **Lowest Price Liability.** The priced charged for store supplied by the firm shall in no case exceed the lowest price at which the firm sells the store of identical descriptions to any other person/organization. If at any stage the rates charged by the firm are found to be on higher side, the purchaser reserves the right to cancel the supply order and will not be liable to pay any compensation for damage caused to the supplier due to cancellation of supply order.

3. **Two Bid System.** Bidders are required to furnish clause by clause compliance of specifications bringing out clearly the deviations from specification, if any. The Bidders are advised to submit the compliance statement in the following format along with Technical Bid :-

Para of RFP specifications item-wise	Specification of item offered	Compliance to RFP specification Whether Yes/No	In case of noncompliance, deviation from RFP to be specified in unambiguous terms

4. **Completion of Work.** Completion of Construction Work of Porta Cabin would be ____**days** from the effective date of contract. Please note that Contract can be cancelled unilaterally by the School in case construction work are not completed within the contracted period. Extension of contracted period will be at the sole discretion of the School, with applicability of LD clause.

5. **Terms of Delivery:**

(a) The vendor shall be responsible for the safe delivery of the stores at the consignee's end and transit damage, if any shall be promptly attend by him.

(b) Free delivery at consignee's place Army Public School, Bareilly (Uttar Pradesh) Pin – 243001.

(c) Stores to be delivered strictly inside the premise of Senior Wing of Army Public School, Birdwood Lines, Bareilly Cantt.

6. While dropping the quotation in quotation box/forward the sealed quotation, the following points to be taken care of :-

(a) To be forwarded in original letter head.

(b) Signed by the contractor with name written in capital letter with seal.

(c) Reference of our letter number with date be written on Top of envelop.

(d) Copy of GST Registration must be enclosed with quotation.

(f) Latest CGT & Tax clearance certificate from the concerned tax department.

(g) Photo Copy of PAN Card of the firm/owner of the firm duly attested.

(h) Proof of address (in the form of elec/tele bill separately for office,shop/show room and factory).

(j) Copy of enlistment letter from and Defence Formation/Central Govt/ State Govt.

(k) NEFT/ECS Form.

(l) Certificate for similar scope executed any work with any department.

7. **Consignees Details:**

The Principal

Army Public School, Birdwood Lines,
Bareilly Cantt - Pin -243001.

Date :

Signature of the Authorized Signatory Company's Seal

PART III – STANDARD CONDITIONS OF RFP

THE BIDDER IS REQUIRED TO GIVE CONFIRMATION OF THEIR ACCEPTANCE OF THE STANDARD CONDITIONS OF THE REQUEST FOR PROPOSAL MENTIONED BELOW WHICH WILL AUTOMATICALLY BE CONSIDERED AS PART OF THE CONTRACT CONCLUDED WITH THE SUCCESSFUL BIDDER (I.E.SELLER IN THE CONTRACT) AS SELECTED BY THE BUYER. FAILURE TO DO SO MAY RESULT IN REJECTION OF THE BID SUBMITTED BY THE BIDDER.

1. **Effective Date of the Contract.** The contract shall come into effect on the date of issue of supply order and shall remain valid until the completion of the obligations of the parties under the contract. The deliveries and supplies and performance of the services shall commence from the effective date of the contract. If acknowledgment is not received within seven days, it will be deemed that the supply order is fully accepted.
2. **Liquidated Damages.** In the event of the Seller's failure to submit the Bonds, Guarantees and Documents, supply the stores/goods and conduct trials, installation of equipment, training, etc as specified in this contract, the Buyer may, at his discretion, withhold any payment until the completion of the contract. The BUYER may also deduct from the SELLER as agreed, liquidated damages to the sum of 0.5% of the contract price of the delayed/undelivered stores/services mentioned above for every week of delay or part of a week, subject to the maximum value of the Liquidated Damages being not higher than 10% of the value of delayed stores.
3. **Termination of Contract.** The Buyer shall have the right to terminate this Contract in part or in full in any of the following cases:-
 - (a) The delivery of the material is delayed for more than **4 Weeks** after the scheduled date of delivery.
 - (b) The Seller is declared bankrupt or becomes insolvent.
4. **Notices.** Any notice required or permitted by the contract shall be written in the English language and may be delivered personally or may be sent by registered pre-paid mail addressed to the last known address of the party to whom it is sent.
5. **Transfer and Sub-letting.** The Seller has no right to give, bargain, sell, assign or sublet or otherwise dispose of the contract or any part thereof, as well as to give or to let a third party take benefit or advantage of the present contract or any part thereof.
6. **Amendments.** No provision of present Contract shall be changed or modified in any way (including this provision) either in whole or in part except by an instrument in writing made after the date of this contract and signed on behalf of both the parties and which expressly states to amend the present contract.
7. **Goods and Service Tax (GST).**
 - (a) The bidder shall quote prices thereof exclusive of Goods and Service Tax. The bidder shall specify the price and total amount of Goods and Service Tax payable alongwith GST registration number. Goods and Service Tax as actually paid will be reimbursed on production of necessary documents related to purchase.
 - (b) Subsequent to the reimbursement of Goods and Service Tax, the bidder will submit to the concerned payment authority, a certificate to the effect that he/she has not obtained any refund of Goods and Service Tax subsequent to the payment to Tax authorities by him/her.
 - (c) In case the bidder obtains any refunds of Goods and Service Tax. Subsequently to the payment of the same by him/her to the Tax authorities and reimbursement of the tax to him/her by the payment authority, He/she should forthwith furnish the details of the refund obtained and afford full credit of the same to the buyer.
 - (d) Tax deduction at source (TDS) as notified by the Government shall be implemented.

Date :

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PART IV – SPECIAL CONDITIONS OF RFP

THE BIDDER IS REQUIRED TO GIVE CONFIRMATION OF THEIR ACCEPTANCE OF SPECIAL CONDITIONS OF THE RFP MENTIONED BELOW WHICH WILL AUTOMATICALLY BE CONSIDERED AS PART OF THE CONTRACT CONCLUDED WITH THE SUCCESSFUL BIDDER (I.E. SELLER IN THE CONTRACT) AS SELECTED BY THE BUYER. FAILURE TO DO SO MAY RESULT IN REJECTION OF BID SUBMITTED BY THE BIDDER.

1. **BGB/Individual Security :-**

(a) The 10% amount of contract value and subject to the minimum of Rs _____/- will be paid by contractor before starting the construction of work in form of FDR/BGB with minimum one year validity.

(b) The amount of earnest money will be paid by the contractor to the school in the form of (FDR) duly pledged in favour of Army Public School, Bareilly. The FDR will be return back to contractor after six month of completion of construction work.

(c) If any fault occurs in the construction work in six months after the construction, then the contractor will have to repair the same from his own expenses or the same will be done by the school and the expenditure incurred in the repairing work will be recovered from the earnest money.

(d) **Liquidated Damages (LD).** If the contractor fails to complete all the work within the stipulated period, the contractor shall pay to the school liquidated damages at the rate of half percent (0.5%) of the total value of project work each week or part thereof for the delay upto a maximum of five percent (5%) for maximum ten weeks of work order. The school reserves the right to terminate the work order and encash the Earnest Money deposited for acceptance of the work order.

2. **Payment Schedule :-**

(a) 50% amount of total value of contract shall be paid to the contractor after material is brought at site.

(a) 40% amount of total value of contract shall be paid to the contractor on completion of Work.

(c) 10% balance amount of contract shall be paid to the contractor after inspection & quality of work certified by the board within 15 days of completion.

3. **Advance Payments** . No advance payment(s) will be made.

4. **Earliest Acceptable Year of Manufacture.** You are requested to be quotes of latest year if 2018 manufacture/Life certificates will need to be enclosed with the Bill.

5. **Quality of Work.** The quality of the stores delivered according to the present Contract shall correspond to the technical conditions and standards valid for the deliveries of the same stores for in Seller's country or specifications enumerated as per RFP and shall also include therein modification to the stores suggested by the Buyer. Such modifications will be mutually agreed to. The Seller confirms that the stores to be supplied under this Contract shall be new i.e. not manufactured before **(Year of Contract)**, and shall incorporate all the latest improvements and modifications thereto and spares of improved and modified equipment are backward integrated and interchangeable with same equipment supplied by the Seller in the past if any. The Seller shall supply an interchangeability certificate along with the changed part numbers wherein it should be mentioned that item would provide as much life as the original item.

6. **Inspection Authority.** The Inspection will be carried out by **Acceptance Testing Board constituted by the School management.**

Date :

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7. **Warranty.** The stores supplied against the sup order shall bear a warranty against defective materials and workmanship for a period of one year from the date of sup of complete order. In case of structural and manufacturing failure or defect if any component within the warranty period, the consignee shall inform the supplier for joint inspection. Within a period of one month of the receipt of such information, the rejected material shall be removed and replaced by the supplier at his own expense and no extra payment shall be made on this account.

8. **Product Support.** The following Product Support Clause will form part of the contact placed on successful bidder :-

(a) The bidder agrees to provide product support for the stores, assemblies/subassemblies, fitment items.

(b) In the event of any obsolescence during the above mentioned period of product support in respect of any items, mutual consultation between the bidder and school management will be undertaken to arrive at an acceptance solution including additional cost, if any.

(c) Any improvement/modification/up-gradation being undertaken by the bidder or their sub suppliers on the stores being purchased under the contact will be communicated by the bidder to the school management and, if required by the school management, these will be carried out by the bidder at school management's cost.

Date :

Signature of the Authorized Signatory Company's Sea

PART V – EVALUATION CRITERIA & PRICE BID ISSUES

1. **Evaluation Criteria** :- The broad guidelines for evaluation of Bids will be as follows:-
 - (a) Only those Bids will be evaluated which are found to be fulfilling all the eligibility and qualifying requirements of the RFP, both technically and commercially.
 - (b) The technical Bids forwarded by the Bidders will be evaluated by the Buyer with reference to the technical characteristics of the equipment as mentioned in the RFP. The compliance of Technical Bids would be determined on the basis of the parameters specified in the RFP. The Price Bids of only those Bidders will be opened whose Technical Bids would clear the technical evaluation.
 - (c) The Lowest Bid will be decided upon the lowest price quoted by the particular Bidder as per the Price Format given at Para 2 below.
 - (d) The Bidders are required to spell out the rates of Excise duty, VAT, Service Tax, etc in unambiguous terms; otherwise their offers will be loaded with the maximum rates of duties and taxes for the purpose of comparison of prices. If reimbursement of Excise Duty / VAT is intended as extra, over the quoted prices, the Bidder must specifically say so. In the absence of any such stipulation it will be presumed that the prices quoted are firm and final and no claim on account of such duties will be entreated after the opening of tenders. If a Bidder chooses to quote a price inclusive of any duty and does not confirm inclusive of such duty so included is firm and final, he should clearly indicate the rate of such duty and quantum of excise duty included in the price. Failure to do so may result in ignoring of such offers summarily. If a Bidder is exempted from payment of Excise Duty / VAT upto any value of supplies from them, they should clearly state that no excise duty will be charged by them up to the limit of exemption which they may have. If any concession is available in regard to rate/quantum of Excise Duty/VAT, it should be brought out clearly. Stipulations like, excise duty was presently not applicable but the same will be charged if it becomes livable later on, will not be accepted unless in such cases it is clearly stated by a Bidder that excise duty will not be charged by him even if the same becomes applicable later on. In respect of the Bidders who fail to comply with this requirement, their quoted prices shall be loaded with the quantum of excise duty which is normally applicable on the item in question for the purpose of comparing their prices with other Bidders. The same logic applies to VAT also.
2. **Price Bid Format** :- The Price Bid Format is also attached with tender documents(RFP). Bidders are required to fill this up correctly with full details and sealed in separate envelope.

Note :- Seller will submit their technical and commercial bids on the original tender documents including its appendices). Photocopies will not be accepted.

Date :

Signature of the Authorized Signatory Company's Seal

**TECHNICAL SPECIFICATION FOR CONSTRUCTION OF PORTA CABIN
AT SENIOR WING, APS, BAREILLY**

Ser No	Drg No	Brief Specification
1.	As att	<p>Supply, erection and construction of Prefabricated RHS store shelter of size 9000 x 6000mm (internal dimensions) and 3.00 m clear height upto false ceiling from finished floor level with false ceiling along with columns, trusses, purlins, runners and rafters. One side verandah of size 9000 x 1500mm, height 3.00 m at shelter end and 2.70 m at outer edge of veranda with continuous roof slope without false ceiling. The roof sheet shall be made of camouflage pattern galvalume pre coated profile sheet 0.50 mm thick including one corrugation projection on one side for overlap on adjacent panel and roofing fixed with self tapping screws. Galvalume pre coated pre coloured profile sheet of 0.50 mm thickness for wall cladding above gable end and fixed with self-tapping screws. (Make - Essar /JSW/Jindal). Wall panels shall be made of GI metal skin PUF camouflage pattern panels of thickness 40 mm with the both side GI skin being 0.5 mm thick and having a 50 microns thick PVC guard film on the finished surface for protection against scratches during handling (Make: Sintex / Isolloyd/ Jindal/Isotherm PUF Panel) 03 Nos of PUF panel doors with aluminum frame of size 915 x 2233mm and 02 Nos powder coated aluminum windows of size of 1200 x 1200 mm with aluminum grill having etc fixtures for door, window as per requirement. 16 mm dia 600 mm long foundation bolts, self taping screw, nut/ bolts for purlin, truss, rafters etc supplied as per requirement with 10% extra. List of store required to erect in the subject work is given at financial bid (Civer-II). Drawings are attached at Appx 'B' and detailed specifications of work are given in subsequent paras :-</p> <p>(a) Foundation/ Footing for column:- 08 Nos of concrete columns each of size 300 x 230 x 450mm for foundation above 345 x 345x 450 mm size for footing in PCC 1:2:4 type B1 using 20mm graded stone aggregate over 100 mm thk PCC 1:4:8 type D2 using 40mm graded stone aggregate over rammed earth with 600 mm long foundation bolt having 16 mm dia grouted in fdn concrete.</p> <p>(b) Plinth/Dwarf Wall. Plinth/dwarf wall shall be in brick masonry. Dwarf wall shall have first footing 345 mm thick, 300 mm high, second footing 230 mm thick, 150mm in height below ground level (as per drawing attached) and 230mm thick 450mm high above ground level, built in CM 1:6 laid over 100mm thick PCC 1:4:8 type D2. The pocket for PCC footing for columns shall be left in dwarf wall at column places</p> <p>(c) DPC. 40mm thick PCC 1:2:4 type B1 using 20mm graded stone aggregate using WPC @ 3% by weight of cement shall be placed over dwarf wall as DPC.</p> <p>(d) Columns:-</p> <p>(i) Main Column. 08 Nos MS RHS column of size 98x48x3.20 mm conforming to IS-1169-1979 shall be provided along with the following:-</p> <p>(a) MS base plate of size 200 x 200 x 6 mm having 4 Nos holes of 18 mm dia for fixing foundation bolts 600mm long and 16 mm dia.</p> <p>(b) MS top plate of size 150 x 150 x 6 mm having 4 Nos of holes of 14 mm dia for fixing of each truss.</p> <p>(c) MS cleat of size 150 x 75 mm and thickness 6 mm with predrilled holes at appropriate places.</p> <p>(ii) Verandah Column. 04 Nos MS RHS column of size 66x33x2.90 mm thick conforming to IS-4923:1997 and 2.70 M height with the size of base plate, top plate and MS cleats same as that of main column and thickness 6 mm with predrilled holes at appropriate places.</p>

Date :

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		<p>(e) Truss. 04 Nos trusses shall be fabricated using MS RHS sections of size 66x38x2.9mm thick conforming to IS-4923:1997. The trusses are provided at a distance of 3.00 m and supported on columns with appropriate nut & bolts.</p>
		<p>(f) Purlin. 10 Nos main shelter purlins of length 9.00 meter and 20 Nos of extension purlin of length 0.40m shall be fabricated from MS RHS sections of size 66x33x2.9mm thick conforming to IS-4923:1997 and shall be fixed on each trusses using MS end cleat of size 150x75x6mm having predrilled holes at appropriate places with 10mm nut/bolts both ends.</p>
		<p>(g) Rafter. Rafters shall be fabricated of MS RHS section of size 66x38x2.9 mm thick conforming to IS-4923:1997 and shall be fixed with MS end cleat of size 150x75x6mm thick having predrilled holes at appropriate places.</p>
		<p>(h) Roof Projection. The roof shall have a minimum projection of 450 mm from the gable walls. Purlins will also be provided on the roof at the eaves and at gable roof extension (outside the structure) made from RHS section of size 66x33x2.9mm thick conforming to IS-4923:1997.</p>
		<p>(j) Roof. The roof shall be in slope 1:4. The roofing sheet shall be 0.50 mm thick galvalume pre-coated pre coloured Galvalume profile sheet including one corrugation projection on one side for overlap on adjacent panel. Verandah roof, bath/toilet roof and kitchen/store roof slope should be maintained continuous slope with main shelter roof. Make - JSW/ ESSAR/ Jindal.</p>
		<p>(k) Ridge cover. Ridge shall be provided with 0.60 m wide and 0.60 mm thick galvalume pre coated, pre coloured Camouflage pattern plain sheet fixed with self tapping screws. Make - JSW/ Jindal/ ESSAR.</p>
		<p>(l) Flooring. Finished surface of floor shall be of coloured non skid ceramic tiles of size 300 x300 x 7mm thick for verandah floor and in shelter shall be of coloured vitrified tiles of size 600 x 600 x 10 mm thick placed over 20 mm thick screed bed of CM 1:6 over 100 mm thick PCC 1:4:8 over 100 mm thick hard core of stone 40-63mm over rammed earth. Tiles will be provided in verandah step also.</p>
		<p>(m) External/ Internal Cement Plaster. 15 mm thick cement plaster in CM 1:4 shall be provided to external surface of brick wall above GL.</p>
		<p>(n) Plinth Protection. 75 mm thick PCC 1:3:6 type C-1 using 20mm graded aggregate and 750mm wide over 75 mm thick hard core of stone aggregate of nominal size 40-63 mm over rammed earth</p>
		<p>(p) False Ceiling.</p> <p>(i) False ceiling frame of size 610x610 mm shall be fabricated using 6 mm thick fiber cement square edge profile having std WT of 6.95 Kg/Sqm laid on pre painted GI 'L' and T-Section of size 40x40x5mm thick and GI cross T-section 610 mm length of size 25x25x1.25 mm thick & main Tee fitted to truss with the help of steel nut-bolt & MS cleat and as directed & shown in drawing attached.</p> <p>(ii) Joints will be treated in adequate manner to make the surface flush.</p> <p>(iii) All gaps between the fittings will be covered by 0.90 mm Galvalume plain sheet of suitable size.</p>

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(q) Gable Wall. Gable ends above false ceiling shall be covered with galvalume pre coated pre coloured profile sheet 0.60 mm thick for side flushing. End over lap will be min 150mm thick and side overlap will be in two and a half corrugations. The cladding will be fixed to members with the help of self-tapping screws. All gaps between the fittings will be covered by 0.60 mm thick PGI sheet of suitable size.

(r) PUF Door.

(i) 03 Nos PUF panel door shall be of size 900 x 2100 mm made in PUF panel system using 02 Nos 0.50 mm thick zinc plated pre-coated, pre-coloured white pattern in externally and internal as teak finish to be use. MS sheet with 40mm gap for polyurethane foam fitted and fly proof shutter 35 mm thick made of second class hardwood with four panels and cladding of stainless steel wire mesh made of 0.5mm diameter wire with mesh size of 18 x 14 per square inch.

(ii) The frame shall be fabricated using pressed aluminum section heavy duty conforming to IS 513-1986. Aluminum section weight not less than 0.55 kg/RM.

(iii) 03 Nos medium weight MS butt hinges 100 mm long for PUF door shutter shall be provided. 02 Nos aluminum tower bolt 250mm long and two Nos aluminum bow handles 150mm long and 01 Nos aluminum sliding bolt 300 mm long shall be provided. All fittings will be aluminum high grade fittings and Door Stopper should be provided in all doors. Aluminum section for door shutter weighing not less than 0.55 kg/Rm.

(s) Aluminum Windows :- The sliding aluminum windows shall be of size 1.2 x 1.2 m fixed with 3 mm thick solid acrylic transparent sheet having size of 1.2 x 1.2 mtr with three track sliding frame with 03 Nos of window shutters (02 x glass window and 01 for wire mesh window) including aluminum grill of size 3x5 mm in a honey comb pattern aperture of size 70x75 mm with aluminum high grade fittings and furnished with powder coated complete. Window shutter aluminum section weighing not less than 0.55 kg/RM.

(t) Sunshades.

(i) Sunshades shall be fabricated using 2 mm thick mild steel sheet of Make: SAIL/ TATA/ JINDAL with suitable fixing arrangements etc complete. Width of sunshade shall be 450mm and length should be such so as to extend 150 mm on either side of the window. Sunshades will be provided only to the windows on sides and rear.

(ii) Sunshades shall be fixed 150 mm above the top edge of the window.

(u) Painting. All steel structure will be painted with two coat of synthetic enamel paint over a coat of Red oxide.

(v) Earthing. :- Earthing Electrode GI plate of size 600 x 600 x 6mm embedded in Earth vertically position inside the earth pit. GI strip of size 25 x 4 mm is to be securely bolted to the earth plate. Earthing lead will be encased in a GI pipe 40 mm dia medium grade below and at least 300mm above ground level to guard against mechanical damage. Earthing plate will be covered with charcoal and salt alternate layer of size 900 x 900 mm and above earth plate will be fill loose soil upto ground level. GI pipe 20 mm dia and funnel with wire mesh will be provided for watering of Earth pit. CI cover of size 290 x 290 x 6 mm will provide to cover the earth pit.

(i) Minimum 1.50 Meter distance shall be maintained from earth electrode to the building in proximity.

(ii) Earthing lead that connects to distribution board for continuity various switches board and sockets

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		<p>Electrification. As per store list attached and shall be ISI marked and confirming to relevant IS specifications.</p> <p>Construction Material. As per store list attached and all construction material shall be as per IS specifications</p> <p>(a) Sand river conforming to IS 383-1970</p> <p>(b) PCC Brick as per IS Specification IS-2185 2005.</p> <p>(c) Crushed stone Aggregate 10 to 20 mm graded conforming to IS-383-1970.</p> <p>(d) Crushed stone Aggregate 20 to 40mm graded conforming to IS-383-1970.</p> <p>(e) Cement 43 grade OPC in polythene bags weighing 50 Kgs as per IS-8112-1989 Cement should be well packed of latest brand not more than one month after the date of manufactured (at the time of Construction). Make- ACC/ Ambuja /JK Laxmi</p> <p>(f) Hard core – Hard core of size 40 to 63 mm graded conforming to IS-383-1970.</p>
		<p>Brick Step :- PCC Brick step will be provided in front door of the shelter in 0.90 length and two step 300 mm treads & 150 mm riser will be provided with PCC brick work in CM 1:6 and tiles will be provide to treads.</p>

Note : -

1. The Finished floor level shall be minimum 45 cm above the normal ground level.
- 2 Steps/Ramps shall be provided at suitable places.
- 3 All samples to be approved prior to execution. The items will be used only after sample approval.
4. All items/specification, unless specifically mentioned, will be provided as per sound engineering practice and relevant IS code to the entire satisfaction of consignee.
- 5 Details missing, if any , will be assumed to be provided by the supplier as per good Engineering practice, and will be approved by inspection team of consignee
- 6 Warranty of 12 months will be given by the vendor from the date of completion.
- 7 Minor addition / deletion / changes will be at the direction of Principal, APS Bareilly executing the work and will be carried out without any additional cost at the time of execution
8. Execution and Earth work to be done and making good as existing condition after completion of work. The surplus earth will be disposed off outside the school premises or at a place as directed by the Principal, APS Bareilly within 2 Kms from the construction site.

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(COVER-II) FINANCIAL BID
CONSTRUCTION/INSTALLATION OF PORTA CABIN AT SENIOR WING, APS, BAREILLY

S. No	Description of item	A/U	Qty	Rate	Amount
1	Supply, erection and construction of Prefabricated RHS store shelter of size 9000 x 6000mm (internal dimensions) and 3.00 m clear height upto false ceiling from finished floor level with false ceiling along with columns, trusses, purlins, runners and rafters. One side verandah of size 9000 x 1500mm, height 3.00 m at shelter end and 2.70 m at outer edge of veranda with continuous roof slope without false ceiling. The roof sheet shall be made of camouflage pattern galvalume pre coated profile sheet 0.50 mm thick including one corrugation projection on one side for overlap on adjacent panel and roofing fixed with self tapping screws. Galvalume pre coated pre coloured profile sheet of 0.50 mm thickness for wall cladding above gable end and fixed with self-tapping screws. (Make - Essar /JSW/Jindal) . Wall panels shall be made of GI metal skin PUF camouflage pattern panels of thickness 40 mm with the both side GI skin being 0.5 mm thick and having a 50 microns thick PVC guard film on the finished surface for protection against scratches during handling (Make: Sintex / Isolloyd/ Jindal/Isotherm PUF Panel) 03 Nos of PUF panel doors with aluminum frame of size 915 x 2233mm and 02 Nos powder coated aluminum windows of size of 1200 x 1200 mm with aluminum grill having ete fixtures for door, window as per requirement. 16 mm dia 600 mm long foundation bolts, self taping screw, nut/ bolts for purlin, truss, rafters etc supplied as per requirement with 10% extra. List of store required to erect in the subject work is given at financial bid (Civer-II). Drawings are attached at Appx 'B' and detailed specifications of work are given in subsequent paras :-	Set	1		
2	<u>Internal Electrification.</u>				
(a)	1100 V grade PVC insulated PVC sheathed aluminium stranded conductor two core of size 10 sq mm in service connection. Make:Finolex /Ancho/P{olycab. Note:- Porcelain hangers and GI wire suspenders are deemed to be included in the rate quoted.	RM	100		
(b)	House service bracket (Hook type) complete with 3 M long GI pipe 40 mm dia med grade, two Nos 90 ⁰ bends, MS hook and stay rod or guy complete fitting.	Nos	1		
(c)	Switch socket combination 5 A ,230 Volts with PVC box Make: Anchor /Havells/Plaza.	Nos	2		
(c)	Switch socket combination 15 A ,230 Volts with PVC box Make: Anchor /Havells/Plaza.	Nos	2		
(d)	Swith piano type 5 A ,230 Volts Make: Anchor /Havells/Plaza	Nos	16		
(e)	Tube Light fittings 18/20 W with minimum 1800/2000 Lm with polly caronated housing and cover,6000K, 4 feet long including 18/20 W tube rod, Decorative ultra slim linear LED lighting fixture frame etc complete . Make: C&S/Syska/Wipro	Set	10		
(f)	Bulk head fitting 9 Watt LED type with clear prismatic diffuser,6000K IP65 bulkhead luminaire with opal diffuser. Make: Syska/C&S/Phillips.	Nos	2		
(g)	Ceiling fan 1200 mm sweep,230 Volts,50 Hz energy saving BEE marked complete Make: Orient /Crompton Greaves/ Havells/Bajaj.	Nos	4		
(h)	Step Fan regulator socket type 230 Volts,50 Hz .Make: Anchor /Havells/palza	Nos	4		
(j)	PVC ceiling rose should be 14 (10 for tube lights and 04 for ceiling fan) terminal 230 volts,50 hz. Make: Anchor/ Havells/Plaza	Nos	14		

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(k)	PVC square block mounting of Ceiling rose, holder IS Marked	Nos	14
(l)	Wooden board with screw rectangular block for mounting switches, sockets, fan regulator etc with 3 mm thick plastic laminated sheet cut of hole as per reqd size for mounting of switch socket, regulator cover of size board 250 mmx200 mm 50 mm deep.	Nos	2
(m)	Wooden board with screw rectangular block for mounting switches, sockets, fan regulator etc. with 3 mm thick plastic laminated sheet cut of hole as per reqd size for mounting of switch socket ,regulator cover of size 175 mm x100mm and 50 mm deep.	Nos	2
(n)	Cadmium plated machined screw of assorted sizes i.e 1' & ½' for casing capping.	Nos	800
(p)	Insulation tape 19 mm wide, 9 M long. Make: Anchor/Cona/kinjal/steelgrip	Roll	8
(q)	1100 V grade FR PVC insulated ,unsheathed multistranded Single core copper conductor of size 1.5 sq mm IS-694/1990-ISI Marked (90 mtr roll). Make: Grandlay wire/Finolex/Polycab (Red ,Black and Green for earth colour)	Roll	5
(r)	Flexible pipe 1"	RM	4
(s)	PVC casing and capping of size 25 mm. Make: Presto Plast / Press Fit / AKG (ISI Marked).	RM	90
(t)	PVC 'Tee' 25 mm for casing capping (ISI Marked)	Nos	20
(u)	PVC 'bend ' 25 mm for casing capping (ISI Marked)	Nos	20
(v)	PVC 'Common ' 25 mm for casing capping (ISI Marked)	Nos	25
(w)	Sheet metal enclosure SPN DB 8 way double door 230 volts including 200 Amp bus bar complete . Make: Schniender (Acti 9)/Legrand (DX3) /C&S electric	Nos	1
(x)	MCB SPN 32 Amp 230 Volts 50 Hz c- Curve characteristics and 6 KA breaking capacity.Make: Schniender (Acti 9)/Legrand (DX3) /C&S electric	Nos	1
(y)	MCB SP 10 Amp 230 Volts 50 Hz c- Curve characteristics and 6 KA breaking capacity .Make: Schniender (Acti 9)/Legrand (DX3) /C&S electric	Nos	2
(z)	MCB SP 06 Amp 230 Volts 50 Hz c- Curve characteristics and 6 KA breaking capacity .Make: Schniender (Acti 9)/Legrand (DX3) /C&S electric	Nos	3
(aa)	32 Amp ON load change over switch in sheet enclosure with side handle. (TP) Make- C&S/Havells/L&T.	Nos	1
3.	Earthing. One earthing set per shelter comprising of the following shall be provided:-	Set	1
	(i) GI earthing plate of size 600 x 600 x 6 mm – 01 No.		
	(ii) CI cover of size 290 x 290 x 6 mm - 01No.		
	(iii) GI pipe 40 mm dia medium grade – 04 M.		
	(iv) GI strip of size 25 x 4 mm- 08 M.		
	(v) Salt – 30 Kgs.		
	(vi) MS funnel with wire mesh - 01 No.		
	(vii) GI pipe 20 mm mm dia med grade ISI marked 1Mtr		
	(viii) GI reducer 40 x 20 mm ISI marked – 01 No		
	(ix) MS rod 6 mm dia 2' long -01 No.		
	(x) Charcoal dust -30 Kgs.		
	(xi) 5mm dia 30 mm long GI bolt with nut -08 Nos.		

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4	Constr Material		
(a)	Cement 43 grade OPC in polythene bags weighing 50 Kgs as per IS-8112-1989 Cement should be well packed of latest brand not more than one month after the date of manufactured (at the time of Construction) Make-ACC/Ambuja/JK Laxmi/Ultratech.	Bags	85
(b)	Sand river conforming to IS 383-1970	Nos	12.0
(c)	Clay Brick	Cum	3000
(d)	Crushed stone Aggregate 10 to 20 mm graded conforming to IS-383-1970.	Cum	6.00
(e)	Crushed stone Aggregate 20 to 40mm graded conforming to IS-383-1970.	Cum	10.00
(h)	Hard core of broken stone aggregate of size 40-63 mm conforming to IS -383-1970.	Cum	8.00
(h)	Non skid ceramic tiles coloured 300 x 300 x 7mm thick for Varndah Make : Johnson/ Kajarai/ Orientbell	Sqm	15
(j)	Vitrified tiles coloured 600x600x10mm thick for shelter floor. Make - Johnson/ Kajaria/ Oreintbell/ Somany.	Sqm	60
(k)	Bitumen for filling dummy joint for plinth protection.	Kg	4
(l)	White cement Make : JK White/ Birla White/ Maple leaf.	Kgs	15
Total :			
GST:			
G/Total			

Date :

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