

**SCHOOL OF OPEN LEARNING  
UNIVERSITY OF DELHI  
DELHI-110007**

REF.NO. SOL/GEN/2019/17

Dated:13/09/2019

**Notice Inviting e-Tender**

Online Item rate composite tenders are invited from the contractors registered with C.P.W.D./ M.E.S./Railways/State PWDs (B&R)/Delhi University for the following work (s):

**Name of work: Construction of Semi-permanent structure at South Study Centre, Moti Bagh for Evaluation Cell of SOL, University of Delhi.**

<b>Estimate Cost</b>	<b>Rs.27,65,262/-</b>
<b>Earnest Money</b>	<b>Rs.55,305/-</b>
<b>Completion Time</b>	<b>Three Months</b>
<b>Bid Submission end date</b>	<b>26/09/2019 (03:00 p.m.)</b>
<b>Bid Opening date</b>	<b>27/09/2019 (03:00 p.m.)</b>

- 1 The Tender form & other details can be obtained from the website [www.eprocure.gov.in](http://www.eprocure.gov.in)
- 2 For further details, contact the office of undersigned and any corrigendum in this regard will be displayed on University website i.e. [www.sol.du.ac.in](http://www.sol.du.ac.in), [www.du.ac.in](http://www.du.ac.in), [www.e-procure.gov.in](http://www.e-procure.gov.in) and on notice board.

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**e-Tender**

Online bids are invited in two bid systems for “Construction of Semi-permanent structure at South Study Centre, Moti Bagh for Evaluation Cell of SOL, University of Delhi” Manual bids shall not be accepted.

1. Tender documents may be downloaded from CPPP site <https://eprocure.gov.in/eprocure/app> as per the schedule as given in as under.

<b>Estimate Cost</b>	<b>Rs.27,65,262/-</b>
<b>Earnest Money</b>	<b>Rs.55,305/-</b>
<b>Completion Time</b>	<b>Three Months</b>
<b>Bid Submission end date</b>	<b>26/09/2019 (03:00 p.m.)</b>
<b>Bid Opening date</b>	<b>27/09/2019 (03:00 p.m.)</b>

2. Bids shall be submitted online only at CPPP website: <https://eprocure.gov.in/eprocure/app>.

**Bidder/Contractors are advised to follow the instructions provided in the ‘Instructions to the Contractors/Bidder for the e-submission of the bids online through the Central Public Procurement Portal for e Procurement at <https://eprocure.gov.in/eprocure/app>’.**

Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.

3. Not more than one tender shall be submitted by one contactor or contractors having business relationship. Under no circumstance will father and his son(s) or other close relations who have business relationship with one another (i.e. when one or more partner(s)/director(s) are common) be allowed to tender for the same contract as separate competitors. A breach of this condition will render the tenders of both parties liable to rejection.

4. Bidder who has downloaded the tender /quotation from the Central Public Procurement Portal (CPPP) website <https://eprocure.gov.in/eprocure/app>, <https://eprocure.gov.in/epublish/app> **shall not tamper/modify the tender /quotation form including downloaded price bid template in any manner.** In case if the same is found to be tempered/modified in any manner, tender will be completely rejected and EMD would be forfeited and Bidder is liable to be banned from doing business with University of Delhi.
5. Intending Bidders are advised to visit University of Delhi/SOL website [www.sol.du.ac.in](http://www.sol.du.ac.in), [www.du.ac.in](http://www.du.ac.in) and CPPP website <https://eprocure.gov.in/eprocure/app> at least 3 days prior to closing date of submission of tender for any corrigendum / addendum/ amendment.
6. **Earnest Money:** - The EMD of Rs.55,305/- drawn in favour of “Officer on Special Duty, School of Open Learning, University of Delhi, payable at Delhi must be submitted to the Section Officer (General), Room No. 206, SOL, Delhi – on or before last 26/09/2019 at 1500 hours of bid submission without which the tenders will not be considered. However, scanned copy of EMD is to be uploaded.
7. Bids will be opened as per date/time as mentioned above. After online opening of Technical-Bid the results of their qualification as well Price-Bid opening will be intimated later.

**SECTION OFFICER (GENERAL)**

**Content:**

1. Instructions for online bid submission
2. Eligibility Requirements
3. Price Bid Undertaking and schedule / BOQ
4. Scope of work
5. Conditions
6. List of specific make

## **Instructions for Online Bid Submission:**

The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal.

More information useful for submitting online bids on the CPP Portal may be obtained at: <https://eprocure.gov.in/eprocure/app>.

### **REGISTRATION**

- 1) Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL: <https://eprocure.gov.in/eprocure/app>) by clicking on the link “**Online bidder Enrollment**” on the CPP Portal which is free of charge.
- 2) As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
- 3) Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.
- 4) Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / nCode / eMudhra etc.), with their profile.
- 5) Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC’s to others which may lead to misuse.
- 6) Bidder then logs in to the site through the secured log-in by entering their user ID / password and the password of the DSC / e-Token.

### **SEARCHING FOR TENDER DOCUMENTS**

- 1) There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, Organization Name, Location, Date, Value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as Organization Name, Form of Contract, Location, Date, Other keywords etc. to search for a tender published on the CPP Portal.
- 2) Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective ‘My Tenders’ folder. This would enable the CPP Portal to intimate the bidders through SMS / e-mail in case there is any corrigendum issued to the tender document.
- 3) The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

## **PREPARATION OF BIDS**

- 1) Bidder should take into account any corrigendum published on the tender document before submitting their bids.
- 2) Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
- 3) Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF/JPG formats. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.
- 4) To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use “My Space” or “Other Important Documents” area available to them to upload such documents. These documents may be directly submitted from the “My Space” area while submitting a bid and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

## **SUBMISSION OF BIDS**

- 1) Bidder should log into the site well in advance for bid submission so that they can upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
- 2) The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
- 3) Bidder has to select the payment option as “offline” to pay the tender fee / EMD as applicable and enter details of the instrument.
- 4) Bidder should prepare the EMD as per the instructions specified in the tender document. The original should be posted/couriered/given in person to the concerned official, latest by the last date of bid submission or as specified in the tender documents. The details of the DD/any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise the uploaded bid will be rejected.
- 5) Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard BoQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BoQ file, open it and complete the white coloured (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BoQ file is found to be modified by the bidder, the bid will be rejected.
- 6) The server time (which is displayed on the bidders’ dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.

- 7) All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128-bit encryption technology. Data storage encryption of sensitive fields is done. Any bid document that is uploaded to the server is subjected to symmetric encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers/bid openers public keys. Overall, the uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- 8) The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- 9) Upon the successful and timely submission of bids (i.e. after Clicking “Freeze Bid Submission” in the portal), the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.
- 10) The bid summary has to be printed and kept as an acknowledgement of the submission of the bid. This acknowledgement may be used as an entry pass for any bid opening meetings.

#### **ASSISTANCE TO BIDDERS**

- 1) Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.
- 2) Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk.

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SECTION OFFICER (GENERAL)

**Eligibility Requirements: -**

1. The bidder / contractor should have registration with CPWD/ MES/ Railways/ State PWDs (B&R) /Delhi University in appropriate category & class.
2. The bidder should not be black listed from any authorities.
3. The bidder should have registration with ESIC, EPFO, Labour department.
4. PAN Number.
5. The bidder should submit ITR for the last three financial years i.e. 2016-2017, 2017-2018, 2018-2019.
6. The bidder should be registered with GST.
7. Demand Draft of Earnest Money.
8. Price bid and undertaking form should be duly filled in.
9. The bidder should upload the scanned copies of all the documents during online bid submission as per NIT conditions.

**SECTION OFFICER (GENERAL)**



**PRICE BID**

- (a) Price bid undertaking
- (b) Schedule of price bid in the form of BOQ\_XXXX .xls

**PRICE BID UNDERTAKING**

From: (Full name and address of the Bidder) \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

To,

Dear Sir/Madam,

- 1. I submit the Price Bid for \_\_\_\_\_ and related activities as envisaged in the Bid document.
- 2. I have thoroughly examined and understood all the terms and conditions as contained in the Bid document and agree to abide by them.
- 3. I offer to work at the rates as indicated in the price Bid, Annexure IV inclusive of all applicable taxes.
- 4. I / we not blacklisted in any authorities/ Departments.
- 5. I/we fully aware with the site condition.

Yours Faithfully,

**Signature of the Authorized Representative**

**Name of work: Construction of Semi-permanent structure at South Study Centre,  
Moti Bagh for Evaluation Cell of SOL, University of Delhi**

S. N	Description of Work	Qty	Unit	Rate (Rs.)	Amount (Rs.)
	<b>EARTH WORK</b>				
1	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge. All kinds of soil	Cum	32.40		
2	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5m.	Cum	10.80		
	<b>CONCRETE WORK</b>				
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: 1:5:10 (1 cement: 5 coarse sand (zone-III): 10 graded stone aggregate 40 mm nominal size)	Cum	8.92		
4	Providing and laying damp-proof course 50mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand(zone-III) : 4 graded stone aggregate 20mm nominal size).	Sqm	13.45		
5	Providing & applying a coat of residual petroleum bitumen of grade of VG-10 of approved quality using 1.7kg per square metre on damp proof course after cleaning the surface with brushes and finally with apiece of cloth lightly soaked in kerosene oil.	Sqm	13.45		
6	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size)	Cum	13.48		
	<b>RCC WORK</b>				
7	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain windowsills, staircases and spiral staircases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement: 1.5 coarse sand(zone-III) : 3 graded stone aggregate 20 mm nominal size).	Cum	2.95		
8	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Cold twisted bars	Kg	266		
9	Centering and shuttering including strutting, propping etc. and removal of form for: Lintels, beams, plinth beams, girders, bressumers and cantilevers	Sqm	12.12		

<b>BRICK WORK</b>					
10	Brick work with common burnt clay F.P.S. (non-modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:4 (1 cement : 4 coarse sand)	Cum	19.82		
11	Brick work with common burnt clay machine moulded perforated bricks of class designation 12.5 conforming to IS: 2222 in superstructure above plinth level up to floor five level in cement mortar 1:6 (1 cement : 6 coarse sand) : With F.P.S. (non modular) bricks	Cum	61.56		
<b>WOODWORK</b>					
12	Providing and fixing ISI marked flush door shutters conforming to IS: 2202 (Part I) non-decorative type, core of block board construction with frame of 1 <sup>st</sup> class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters: a. 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	Sqm	6.00		
13	Providing and fixing ISI marked oxidised M.S. door latches conforming to IS:5930 with screws etc. complete : 250x20x6 mm	Each	3		
14	Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete : 150x10 mm	Each	24		
15	Providing and fixing chromium plated brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete.	Each	3		
16	Providing and fixing aluminium die cast body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 35 kg and door width upto 700 mm), with necessary accessories and screws etc. complete.	Each	3		
17	Providing and fixing bright finished brass handles with screws etc. complete: 125 mm	Each	6		
18	Providing and fixing bright finished brass casement window fastener with necessary screws etc. complete.	Each	12		
<b>STEEL WORK</b>					
19	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. Hot finished welded type tubes	Kg	2318		
20	Providing and fixing factory-made ISI marked steel glazed doors, windows and ventilators, side /top /centre hung, with beading and all members such as F7D, F4B, K11 B and K12 B etc. complete of standard rolled steel sections, joints mitred and flash butt welded and sash bars tenoned and riveted, including providing and fixing of hinges, pivots, including priming coat of approved steel primer, but excluding the cost of other fittings, complete all as per approved design, (sectional weight of only steel members shall be measured for payment). a. Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement: 3 coarse sand: 6 graded stone aggregate 20 mm nominal size)	Kg	80		

21	<p>Providing and fixing T-iron frames for doors, windows and ventilators of mild steel Tee-sections, joints mitred and welded, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.</p> <p>a. Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement: 3 coarse sand: 6 graded stone aggregate 20 mm nominal size).</p>	Kg	45		
22	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding	Kg	97.50		
23	Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with: 4.0 mm thick glass panes	Sqm	6.5		
<b>FLOORING</b>					
24	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) : 25 mm thick	Sqm	184.90		
25	Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.	Sqm	7.12		
<b>ROOFING</b>					
26	Providing and fixing pre-coated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	Sqm	267.68		
27	Providing and fixing false ceiling at all height including providing and fixing of framework made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat	Sqm	130.00		

	<p>fixed to the angle hangers of 25x10x0.50 mm of required length with nuts &amp; bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound, jointing tapes, finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with:</p> <p>a. Fully Perforated Gypsum Plaster Board of size 1200 x 2400x12.5 mm having approx. 15 % perforated area with perforation size and pattern as approved by the Engineer in- charge and as per manufacturer's specification, with all 4-side tapered and backed by acoustical tissue with NRC value not less than 0.60</p>				
28	Providing and fixing thermal insulation of ceiling (under deck insulation) with Resin Bonded Rockwool conforming to IS: 8183, density 48 kg/ m3, 50 mm thick, wrapped in 200 G Virgin Polythene bags fixed to ceiling with metallic cleats (50x50x3 mm) @ 60 cm and wire mesh of 12.5mm x 24 gauge wire mesh, for top most ceiling of building.	Sqm	130.00		
29	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+0.05 %) total coated thickness, Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete : Ridges plain (500 - 600mm)	Mtr.	17		
	<b>FINISHING WORK</b>				
30	12 mm cement plaster of mix: 1:4 (1 cement: 4 fine sand)	Sqm	212.30		
31	15 mm cement plaster on the rough side of single or half brick wall of mix: 1:4 (1 cement: 4 fine sand)	Sqm	230		
32	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade:  a. New work (two or more coats) over and including water thinnable priming coat with cement primer	Sqm	230		

33	Finishing walls with Acrylic Smooth exterior paint of required shade: New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	Sqm	212.30		
34	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade: a. Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	Sqm	56.48		
<b>DISMANTLE WORK</b>					
35	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge. In cement mortar	Cum	12.42		
36	Dismantling roofing including ridges, hips, valleys and gutters etc., and tacking the material within 50 metres lead of: Asbestos cement sheet	Sqm	22.75		
37	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	Cum	5.13		
<b>DISPOSAL OF MALBA</b>					
38	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	Cum	30.00		
<b>Total (A)</b>					
<b>B</b>	<b>DISMANTAL WORK OF PORTA CABIN</b>				
39	Dismantling & Re-erection of Porta Cabin size 20ft X10ft = 200 sq ft (inclusive replacement of damage material like Damage wall panels, Electrical wiring, Re-paining of Exterior & Interior, and Wrust pipe).		Sq ft.		
40	C.C platform with vitrified Kajaria tiles size 20ft X10ft = 200 sq ft. including foundation		Sq ft.		
	GST 18%				
<b>Total (B)</b>					
<b>Total (A+B)</b>					

<b>PART (C) ELECTRICAL</b>					
1	wiring for light point/fan point/exhaust fan point/cell bell point with 1.5 sq mm FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed PVC conduit with modular type, switch suitable size G.I box and earthing the point with 1.5 sq mm FR PVC insulated copper cond. Single core cable etc. as reqd. Group C	Nos.	40		
2	Supplying and fixing of following sizes of medium class PVC conduit/Batten along with all accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.  25 mm  20 mm	Mtr  Mtr.	90  90		
3	Wiring for circuit/sub main wiring along with earth wire with the following size of FRLS PVC insulated copper conductor single core cable in surface/recessed medium class PVC conduit as reqd. a 4 x 10 sq mm + 2 x 10 sq mm earth wire	Mtr.	20		
4	S/D the following size FRLS of PVC insulated copper conductor cable in the existing surface /recess PVC conduit as reqd.  a. 1 x 1.5 sq mm b. 2 x 2.5 sq mm c. 2 x 4 sq mm d. 2 x 6 sq mm	Mtr. Mtr. Mtr. Mtr.	500 100 200 200		
5	S/F Tiny Trip AC box complete with all accessories with plug and top on surface/recessed and making the good the same etc. as reqd. At site and 1 nos. 25 amp g series SP MCB connection etc. as reqd. at site	Nos.	06		
6	S/F 6 module power box with screw less decorative plate modular having 2 nos. Switch 15/16 amp and 2 nos. socket 6 pin 15/16 making connection etc. as reqd.	Nos.	20		
7	S/F 8 module power box with screw less decorative plate modular having 3 nos. 15/16 amp socket 6 pin, 1 indication lamp and 1nos 25 amp g series SP MCB and making connection etc. as reqd.	Nos.	06		
8	S/F 3 module power box with screw less decorative plate modular having 1 nos. Switch 15/16 amp and 1 nos. socket 6 pin 15/16 making connection etc. as reqd.	Nos.	05		
9	Supplying and fixing stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	Nos.	10		
10	S/F 1 no. RJ-45, 1 Module box i/c modular plate & covering in front on surface connection etc. as reqd.	Nos.	06		

11	S/F 1 no. RJ-11, 1 Module box i/c modular plate & covering in front on surface connection etc. as reqd.	Nos.	04		
12	Supplying and drawing of UTP 4 pair CAT 6 LAN Cable in the existing surface/ recessed steel/ PVC conduit as required.	Mtr.	200		

13	Supplying and drawing of pair 0.5 mm FRLS PVC insulated and annaled copper conductor unarmoured telephone cable in the existing surface/recessed steel/PVC conduit etc. as reqd. 2 Pair	Mtr.	150		
14	Supplying and fixing of 2' x 2' recessed mounted LED fitting 24watt luminaire with uniform light distribution & light output 3000 lumens including making connection etc. as reqd.	Nos.	20		
15	Supplying and fixing following way prewired SP&N MCB distribution board of steel sheet for 240volts on surface/ recess complete with loose wire box, terminal connectors for all incoming and outgoing circuits, duly prewired with suitable size FR PVC insulated copper conductor up to terminal blocks, tinned copper bus bar, neutral link, earth bar, din bar, detachable gland plate, interconnections, powder painted including earthing etc. as required. (But without MCB/ RCCB/) a. 2 + 12 way double door.  b. 2 + 8 way double door	Nos. Nos.	02 02		
16	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with Connections, testing and commissioning etc. as required. Single	Each	35		
17	Supplying and fixing following 63 amp, double pole, 240 volts, isolator in the existing MCB DB complete with connections, Testing and commissioning etc. as required.	Nos.	05		
18	Supplying and fixing 3 pin 5 amp ceiling rose on the existing junction box/wooden block including connection etc. as reqd.	Nos.	05		
19	Supplying and fixing of 48" ceiling fan with all accessories and making connection etc. as reqd. at site	Nos.	10		
20	Supplying, fixing of one number PVC insulated and PVC sheathed /XLPE aluminium armoured conductor power cable conforming to 1.1 KV grade of following size direct in ground etc. as reqd.  4 x 16 sqmm	Mtr.	40		
21	Earthing with G.I pipe 4.5 meter long 40mm dia including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/coke and salt as required.	Set	02		
22	Providing and laying earth connection FRLS earth electrode with 6 SWG dia. G.I wire in 15 mm G.I Pipe FRLS earth electrode including connection with G.I thimble excavation and refilling as reqd.	Mtr.	20		
23	Supplying and fixing of fan hook for ceiling fan etc. as reqd. at site	Nos.	10		
				<b>Total (C)</b>	
				<b>Grand Total (A+B+C)</b>	



**\*The bidder may quote his rates inclusive of GST. No separate GST will be paid as the estimate is based on DSR 2018 which is inclusive of GST.**

Contractor's Signature with Stamp  
Phone no. \_\_\_\_\_

**Name of work: Construction of Semi-permanent structure at South Study**

**Centre, Moti Bagh for Evaluation Cell of SOL,  
University  
of Delhi**

**Brief Scope of work is comprising the following items.**

- 1 EARTH WORK FOR EXCAVATION OF FOUNDATION**
- 2 CONCRETE WORK 1:5:10 FOR FOUNDATION AND UNDER FLOOR,  
DPC 1:2:4 CONCRETE FOR BASE OF FLOORING**
- 3 RCC WORK FOR LINTER BEAMS INCLUDING REINFORCEMENT  
AND SHUTTERING**
- 4 BRICK WORK**
- 5 WOODWORK**
- 6 STEEL WORK**
- 7 FLOORING**
- 8 ROOFING**
- 9 FINISHING**
- 10 PLASTER AND PAINTING**
- 11 DISMANTLING WORK AND DISPOSAL OF BUILDING RUBBISH**
- 12 RELOCATION OF PORTA CABIN**
- 13 ELECTRICAL INSTALLATION**



## TERMS & CONDITIONS

**Name of work: Construction of Semi-permanent structure at South Study Centre, Moti**

**Bagh for Evaluation Cell of SOL, University of Delhi**

1. The successful Contractor will have to execute an Agreement with the Officer on Special Duty, SOL from PWD-8 or CPWD within 15 days of issue of letter of award by SOL. In the event of failure on the part of successful tenderer to sign the agreement, the earnest money will be forfeited and tender cancelled.
2. The acceptance of the tender will rest with the Officer on Special Duty who does not bind himself to accept the lowest tender and reserves the right to reject any or all tenders received without assigning any reason. All tenders in which any or the prescribed conditions are not fulfilled is liable to be rejected.
3. The Contractor shall furnish performance security equal to 5% of the value of work order within 7 days from the date of issue of Work Order. The performance Security should be in form of Bank Draft drawn in favour of the Officer on Special Duty, SOL, Delhi payable at Delhi.
4. Time allowed for the work starts from the 5<sup>th</sup> day after the date of written work order and the work will be completed within **Three Months**.
5. Water and electricity required for the work will be allowed to the contractor for use and 1.5% of the full cost of work done will be recovered.
6. Cement required for the works will have to be arranged by the contractor, and his own cost.
7. All taxes as applicable shall be deducted from the bills of contractors.
8. The contractor will have to get samples of the material and all the fittings approved by the Engineer-in Charge or his representative in writing before using them of the work.
9. Before tendering/quotationing, the Bidder shall visit the site and satisfy himself as to the local conditions, the accessibility of the site of full extent and implication of the operation, the nature of the ground and supply conditions affecting labour and execution of the contract. No claim on these issues will be entertained.
10. Inconvenience of Public: The Contractor shall not deposit materials on any site which will cause inconvenience to the public. The contractor may require removing any materials which are considered to be dangerous or inconvenient to the public or cause them to be removed, at the contractor's cost as per direction of Engineer-in-charge. Works must be executed as per prevailing rules norms and guidelines of all statutory authorities.
11. The work shall be carried out as per latest CPWD specifications with relevant IS codes for works at Delhi, with up to date correction slips unless otherwise specified in the nomenclature of the individual item of work.
12. In case of error in description of any DSR item given in the attached schedule, the description given in the CPWD Delhi schedule of rates **2018** shall be final & no claim on account of error shall be entertained.
13. All existing services and ground of the plot (like storm water drains, water supply lines, sewer lines and approach roads etc.) will be kept by contractor in good order. Any damage to lawns, services, existing structure etc. during execution of work will have to be made good by the contractor at his own cost.
14. The contractor will co-operate with the other agencies working at the site/or in the surrounding area.

15. The successful contractor or his representative should be made available at work site execution every day during the execution of the work who will receive day to day instructions from the Engineer-In-Charge or his representative.
16. The contractor has to make his own arrangement of T&P required for execution of the work and no claim will be admissible on this account.
17. The contractor shall obtain a valid license under the Contract Labour (R & A) Act, 1970 and the Contract Labour (Regulation and Abolition) Central Rules, 1971, before the commencement of the work and continue to have a valid license until the completion of the work. The contractor shall also abide by the provisions of the Child Labour (Prohibition and Regulation) Act, 1986. The contractor shall also comply with the provisions of the building and the other construction workers (Regulation of Employment & Conditions of Service) Act, 1996 and the building and other Construction Workers Welfare Cess Act, 1996.
18. Any failure to fulfill these requirements shall attract the penal provisions of this contract arising out of the resultant non-execution of the work. No labour below the age of fourteen years shall be employed on the work.
19. Before commencement of the work, the contractor shall submit completion programme of the assigned work so as to inform the Engineer in charge in advance. The work shall be executed without inconvenience to the beneficiaries. In case the work site is not made available to the contractor according the programme, no claim will be admissible on this account.
20. All doors, windows, floors, furniture, electrical fitting and other articles shall be protected from Splashes and droppings of white/colour washing, distempering, painting etc. on wall, floors, doors, window, furniture etc. the same shall be removed by the contractor at his own cost failing which the Engineer in charge shall have the right to get this work done at the risk and cost of the contractor.
21. The contractor shall have to get the site of work cleared during execution and / or on completion of work as per directions and to the satisfaction of Engineer in charge.
22. Variation in excess of the work shall not be allowed without prior approval of the competent authority. It shall be the responsibility of the contractor to ensure that cost of the work is not increased beyond the award value.
23. The tender/quotation shall remain open for acceptance of the period of 90 days from the date of opening of tenders. If any Bidder withdraws his tender before the said period or makes any modification in the terms and conditions of the tender which are not acceptable to the School of Open Learning, then the Officer on Special Duty, SOL without prejudice to any right or remedy be at liberty to forfeit the earnest money.
24. The acceptance of the tender/ quotation will be the Officer on Special Duty, SOL who does not bind themselves to accept the lowest tender. The University authorities reserve the right to reject any or all the tenders without assigning any reason.
25. Should the work be not completed to the satisfaction of the SOL within the stipulated period, the Contractor shall be bound to pay to the SOL, a sum calculated @ 0.5% of the Contract value of per week of delay subject to a maximum of 10% of the contract value by way of liquidated damages during which time the work remains uncommenced or unfinished after expiry of completion date.
26. The work is to be executed as per layout given by the Engineer-in-charge and the contractor shall restrict the work accordingly.
27. If the contract has not carried out the work as per the CPWD manual no claim of payment is acceptable by the University authority.
28. At the time of billing the contractor will have to submit an Affidavit\undertaking regarding payment of labour has been done after the completion of work.
29. Watch and ward of the materials at site and E.I. will be the responsibility of the contractor till full testing of all the fittings are completed and handed over to the

department in full and nothing extra will be paid on this account.

30. The board shall be rigidly fixed to the wall by means of bolts and nuts without causing damages to the buildings.
31. The Contractor shall be fully responsible for the safe custody and proper storage of material at site to the satisfactions of the Engineer-in-Charge for which nothing extra will be paid.
32. If any damage is done to the building during the checking existing conduit, junction boxes etc. same will have to be made good by the contractor for which nothing extra will be paid.
33. The rate should be quoted after visiting the site, otherwise it will assumed that rates are quoted after visiting the site.
- 34. All materials to be used on the work shall be of reputed makes/ISI marked, as per the sample approved by the Engineer In charge.**
- 35. In case the work site is not made available to the contractor according to the programme, no claim will be admissible on this account.**
- 36. All earth continuity conductors shall be connected to metal boards and their mountings by means suitable lugs (crimping type).**
- 37. Persons executing the electrical work shall have the electrical license as required according to Indian Electricity rules.**
- 38. Earthing shall be done in the presence of Engineer-In-Charge or his authorized representative.**
- 39. All electric connections shall have to be done by the contractor and installation energized and set in working order before they can be accepted by Engineer-in-Charge.**
40. In the event of any dispute arising under this agreement, the same shall be referred to sole arbitration of Officer on Special Duty, SOL. The agreement to appoint the arbitrator will be in accordance with Arbitration & Conciliation Act 1996. The award of arbitrator shall be final and binding on both the parties. The venue of the arbitration proceeding shall be the office of SOL, Delhi or such other place as the arbitrator may decide.

#### **41. Arbitration**

In the event of any dispute arising under this agreement, the same shall be referred to sole arbitration of Officer on Special Duty, SOL. The agreement to appoint the arbitrator will be in accordance with Arbitration & Conciliation Act 1996. The award of arbitrator shall be final and binding on both the parties. The venue of the arbitration proceeding shall be the office of SOL, Delhi or such other place as the arbitrator may decide.

#### **42. Force Majeure**

The right of the contractor to proceed with the work shall not be terminated because of any delay in the completion of the works due to unforeseen causes beyond the control and without the fault and negligence of the contractor including but not limited to the acts of God or of civil enemy, restraints of a sovereign state, floods, unusually severe weather conditions.

**43. Court Jurisdiction**

It is also condition of this contract that the court which has territorial jurisdiction over Delhi shall have the absolute jurisdiction for adjudicating any difference or disputes arising out of this contract to the exclusion of all other courts.

**44. Delay in the contractor's performance**

The work will be completed by the contractor in accordance with time schedule specified by the employer in its work order. In case the work is not completed in the stipulated period, as indicated in the work order, employer reserves the right either to short close/cancel the work order and/or recover liquidated damage charges. The cancellation/short closing of the work order shall be at the risk and responsibility of the contractor and the employer reserves the right to get the balance work done at the risk and cost of the contractor.

**SECTION OFFICER (GENERAL)**

**LIST OF RECOMMENDED MAKES OF MATERIAL  
(CIVIL WORK)**

The materials of the following make of first/ standard quality shall only be used in the work. In case of is established through that the brands specified below are not available in the market, the contractor shall submit proposal for alternative make for the approval of the University Engineer. However, tests prescribed in CPWD specifications – 2009 Vol- I & II with upto date correction slips should be carried out in all cases.

<b>S.No</b>	<b>Material</b>	<b>Approved Make/ manufacture</b>
1	Plywood/ Flush door	Kutty, kitply, Century, Greenply, Mayur, Gattani, Merino, Jayan
2	Laminate	Green Lam Century, Neo Nuxe, For Mica Merino
3	Adhesive	Fevicol, Pidilite, Choksy, Araldite, Fosroc
4	Prelaminated particle board	Anchor, Durian, Novapan, Archidlam
5	Aluminum building hardware	IPSA, Everite, EBCO, ECIE, Hardwin Traders
6	Locks	Godrej, Harrison, Yale
7	PVC door/ shutter	Rajshri, Plasopan, Synka, Polywood, Polyline
8	Ceramic tiles	Regency, Kajaria, Somani, H & R Johnson, Orient Bell,
9	Vitrified tiles	1 <sup>st</sup> quality of Regency, Kajaria, Somani, H & R Johnson, Orient Bell, Naveen, RAK, Asian, Marbitto, Oreva
10	Precoated iron galvanized profile sheet and accessories	Lolydeck, Trackdec, Multiclad, TATA, Bluescope, Dyna Roof
11	Water proofing compound	FOSROC, SIKA, CICO
12	Wall Putty	JK Wall Putty, Birla Putty
13	Paint	Asian, Berger, Nerolac, ICI paints
14	Aluminium section	Jindal, Hindalco, Indalco, Mahaveer
15	Cement	ACC, Ultra Tech, Vikram, Shree Cement, Ambuja, CCI, Jaypee Cement, Century Cement & J.K. Cement
16	Glass (Float/ sheet)	Modiguard, Saint Gobin, TATA Continental
17	Pressed Steel door frame	Senharvic, AGEW, Steel Flast, Rajender Steel
18	Viterous China sanitary ware	Parryware, Hindware , CERA
19	Plastic WC Cover	Hindware, Commander
20	Stainless Steel sink	Neelkanth, Nirali, Jayna, Crysil, Prayag, Allex
21	GI pipes	Jindal (Hissar), TATA, Parko, Surya
22	GI Fittings	Unik, ZOLOTOM, DRP-M, Kent
23	CPVC Pipe	Astral, Ashirwad, SFMC, Finolex, Supreme
24	Rain water & PVC pipe & fittings	Prince, Supreme, Finolex, SFMC,
25	Gunmetal valves	Leader, Sant, Zoloto
26	Upvc pipe & fittings	Supreme, Finolex, SFMC
27	Stoneware pipes, gully Traps (SI 651)	Pragati, Perfect, Burn, C & R
28	CI covers & Manhole covers	RIF, NICO
29	CP brass fittings & Accessories	Jaquar, Gem, Ess-ess, Aquapulus, Kingston, Prayag, Parko, Prima, Cera, Hindware
30	Floor Drain Fixture & Channel Gratings	Chilly, Neer, ACO
31	CP grating for floor trap	Chilly, Chockrach Trap, GMGR

32	Cast iron Pipes & Fittings Manhole covers and frames as per IS: 3989 (Pipe & Fittings)	NECO, KAPLANS, RIF
33	Cast iron Pipes & Fittings Manhole covers and frames As per IS: 1729 (Manhole covers and frame)	NECO, Raj iron, Foundary, BIC Calcutta, Kajeco, SKF, BC, K.K., SRIF, RIF
34	Cast iron Pipes & Fittings Manhole covers and frames as per IS: 1536 (CILA pipe)	Electro Steel Calcutta, Kesoram Calcutta
35	Drip Seal	Vinod Cement Co. Chandigarh (PJS 43)
36	GI pipe Sealant	Henkel- LOCTITE 55
37	Pipe clamps & Supports	Chilly, Euro clamp, HI tech
38	Clean Out Plug	Neer, GMGR
39	GM/ Forged Brass Ball valves	Zoloto, DRP, Sant/ Leader
40	Wafer Type Check Valve	Audco, Zoloto, Advance
41	Butterfly Valve	Audco, Zoloto, Advance
42	Air Release valve	Zoloto, OR, Arco
43	Ball Float valve	Zoloto, HBD, Esseti
44	MH/ Water Tank Plastic Steps	KGM, Patel, Pranali Industries
45	Insulation for Hot Water pipes	Themoflex, K Flex, Armacell
46	PVC water tanks	Sintex, Rotoplast, Polycon, Amitex, Sheetal
47	SFRC MH cover & frame & gratings	KK Manholes & Gratings, SFP/ steel Fibre Product Pragati
48	Anticorrosive Tape for pipe protection	PYPKOTE
49	Anticorrosive Bitumen Paint	Shalimar
50	Epoxy Paint	Asian, Berger, J & N
51	Pressure Gauge	H Guru, Fiebig, Dwyer
52	Water Meter (Mechanical Type)	53 Kaycee jranti, Capstan, Actairs
53	Fastener	Fisher, Hiliti, Canon
54	Fire Sealant	Hilti, Promat, Birla 3 M
55	Sealant & Additives	Asian paints, Fosroc, Pidilite
56	Concrete Additives	SIKA, Fosroc, CICO, Sunanda Roff
57	Polymer sealant for expansion joint	SIKA, CICO, Pidilite, GE SDilicon
58	RCC pipe	Ashok, Cement pipe, Indian Hume pipe, KK
59	APP membrane	Lloyd Insulation, Builtech Products Pvt. Ltd., CICO technologies Lt., FOSROC Chemicals, STP Ltd., SIKA, IWL India Lt., Pure Leathers Ltd.,
60	Cement Concrete paver tiles	NITCO, Ultra, GICO, Dalal
61	PTMT fittings	Prayag, Polyuf, Symet, PEARL, SHAKTI
62	PPR pipe and fittings	Amitex, Supreme, SFMC, Georg, Fscher
63	Water proofing cement paint	Snowcem, Asian
64	Structural Steel Sections	TATA, SAIL, RINL
65	Reinforcement Steel	TATA, SAIL, RINL, ISPAT, Barnala
66	Blinds	VISTA/DECK/MECK



## LIST OF RECOMMENDED MAKES OF MATERIAL

### (ELECTRICAL WORK)

The materials of the following make of first/ standard quality shall only be used in the work. In case if is established through that the brands specified below are not available in the market, the contractor shall submit proposal for alternative make for the approval of the University Engineer. However, tests prescribed in CPWD specifications – 2009 Vol- I & II with upto date correction slips should be carried out in all cases.

S.No	Material	Approved Make/ manufacture
1	MCB's, MCCBs, RCCBs, ELCB's & MCB DBs /Isolator	Legrand/ ABB/ L&T/ Siemens/ Hagger
2	LT XLPE Aluminium Armoured Cables upto 1100V	Havells/ RR Kabels/ Skytone
3	Indicating Lamps	L & T/ Seimens/ Technique
4	Conduit P.V.C	AKG/ BEC
5	Wire FRLS/FR Wire	Finolex/ Tamra/ Havells/ Polycab/ Skytone
6	Switch/ socket/ Fan Regulator	North-West/ Legrand/ Hagar
7	AC Box, RJ-11, RJ-45	HH Elecon/ HPL/ North-West/ Hagar
8	Ceiling Fan	Orient/Hevells/Crompton
9	Fittings/Fancy light/Wall bracket/Led fitting	Philips/ CG/ Hevells
10	DLP	Siemens/ Legrans/ Hagger
11	AC Tinny Trip	Northwest/Hagger
12	Power Capacitors	Crompton/Siemens Apcos/ Khatou
13	HRC fuse Base & HRC Fuses	L & T/ GE/ Schneider/ HPL/ Legrand