



सरदार वल्लभभाई पटेल राष्ट्रीय पुलिस अकादमी  
SARDAR VALLABHBHAI PATEL NATIONAL POLICE ACADEMY  
(भारत सरकार : गृह मंत्रालय)  
(Government of India : Ministry of Home Affairs)  
हैदराबाद - 500 052  
Hyderabad - 500 052

**OPEN TENDER NO : 11011/4/2017-18/HS.BLDGS**

- (1) REPAIR AND MAINTENANCE WORKS AT KARNATAKA BHAWAN AND NGOS GUEST HOUSE AT SITE-A**
- (2) INTERNAL PAINTING AND ARRESTING SEEPAGE OF OCTAGON BUILDING IN SITE-B**
- (3) CONSTRUCTION OF COMMON TOILETS FOR DAILY WAGER NEAR TYPE-IV RESIDENTIAL AREA IN SITE-B**
- (4) SHIFTING OF 03 NOS PORTA CABIN FROM VARIOUS PLACES IN SITE-B**
- (5) VARIOUS MISC REPAIR WORKS AT NPA HOSPITAL AT SITE-A**

Date of Tender Enquiry : 05/05/2017

Closing date & time of submitting bids : 26/05/2017 at 1200 Hrs.



Website: <http://www.eprocure.gov.in>

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(भारत सरकार : गृह मंत्रालय)  
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**OPEN TENDER**  
**(e-Tender)**

1. SVP National Police Academy, Shivrampally, Hyderabad, invites e-bids under single bid system from reputed firms for following works for the Academy :-  
(1) Repair and maintenance works at Karnataka Bhawan and NGOS guest house at site-A  
(2) Internal painting and arresting seepage of Octagon building in site-B  
(3) Construction of common toilets for daily wager near type-IV residential area in site-B  
(4) Shifting of 03 nos porta cabin from various places in site-B  
(5) Various misc repair works at NPA hospital at site-A

2. Salient features of the tender enquiry are as follows:-

a)	Tender No.	11011/4/2017-18/HS.Bldgs
b)	Description of stores	1) Repair and maintenance works at Karnataka Bhawan and NGOS guest house at site-A (2) Internal painting and arresting seepage of Octagon building in site-B (3) Construction of common toilets for daily wager near type-IV residential area in site-B (4) Shifting of 03 nos porta cabin from various places in site-B (5) Various misc repair works at NPA hospital at site-A (Detailed specification is attached as Annexure-'A')
c)	Type of Tender	Open Tender
d)	Bid System	Single Bid System (Techno- financial Bid)
e)	Earnest Money Deposit	Demand draft for Rs 45,700/- (Rupees forty five thousand seven hundred) only drawn from any of the Commercial Banks in favour of the 'The Director, S.V.P National Police Academy, Hyderabad.
f)	Delivery schedule/ completion period	Work should be completed within 20 days from the date of receipt of work order
g)	Terms of Delivery	Free on Rail/ Road (F.O.R) Destination, SVP NPA Hyderabad.
(h)	Bid validity	Bid should be valid for 180 days from the date of opening of bid.

(i)	Address of correspondence	The Administrative Officer (Admn) SVP National Police Academy, Shivarampally, Hyderabad, Telangana - 500052
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3. Important dates related to this tender are furnished below for information: -

S.No.	Particulars	Date	Time
1.	Date of online publication of tender	05/05/2017	1700
2.	Starting date for downloading Tender document	06/05/2017	1000
3.	Bid submission starting date	06/05/2017	1100
4.	Bid submission closing date	26/05/2017	1200
5.	Closing date & time for submission of original copies of EMD	26/05/2017	1200

4. Interested manufacturers/ authorised dealers/ stockists/ suppliers dealing with above items can download the tender document from CPP Portal ([www.eprocure.gov.in](http://www.eprocure.gov.in)) and bid can only be submitted through the same website. Bid submitted other than CPP Portal will not be accepted. The Eligible bidders should have the valid digital signature certificate (DSC) issued from any agency authorised by Controller of Certifying Authority (CCA), Govt. of India.

5. The bids are invited online under single cover system (Techno-price bid/ bill of quantity (BOQ) from eligible bidders.

6. Bidders can access and download the tender documents from CPP Portal and can fill them with all relevant information and submit the completed tender document online on the website: <http://www.eprocure.gov.in>. The downloading of tender documents shall be carried out strictly as provided on the website. No editing, addition, deletion of matter shall be permitted. If such action is observed at any stage, such tenders are liable for outright rejection.

7. Tender shall be submitted online only at CPPP website. Bidders are advised to refer the Bidders manual kit for e-submission of the bids online through the Central Public procurement portal available at the website: <http://www.eprocure.gov.in>. Aspiring Bidders/ Suppliers who have not enrolled/ registered in e-procurement should enrol/register before participating through the website <http://www.eprocure.gov.in>. The portal enrolment is free of cost.

8. All the documents as per tender requirement should be uploaded online and further, no documents will be accepted offline. However, Demand Draft (EMD - Earnest money deposit) hard copy should be sent to SVP National Police Academy before the due date of opening. Bidders who are not submitting any of the required documents online will summarily be rejected.

9. Bidders should have atleast two years of experience in the field.

10. The details of the Tender document and EMD should be filled and uploaded online. Earnest Money Deposit (EMD) for **Rs 45,700/- (Rupees forty five thousand seven hundred) only** (Refundable ) should be deposited in form of Crossed Demand draft Drawn on any nationalized bank in favour of Director, SVP National Police Academy, payable at SBH, Shivarampally, Hyderabad. Bids without EMD will not be

considered. Tender Reference Number or details should be mentioned on the backside of the original crossed Demand Draft and the same should be sent to SVP National Policy Academy, Hyderabad before due date of opening of the tender.

#### 11. Terms and Conditions

- a) Site Visit :- Interested vendors may visit the site before submitting the quotation after taking prior permission from the Assistant Commandant (Works) of SVP NPA Hyderabad.
- b) Terms of payment - No advance payment or payment against proforma invoice will be made. Payment will be made only after completion of work.
- c) The work should be completed within 20 days from the date of receipt of work order from the Academy
- d) The bid should be valid for 180 days from the date of opening of bid.
- e) The scope of work as defined above shall be strictly adhered to.
- f) In case of deviations, the same shall be explicitly indicated in a separate statement
- g) The total cost of work shall be indicated including all taxes and the rates shall remain firm and fixed and shall not be subjected to any variation at any stage of execution
- h) The period of completion of the work shall be indicated in the offer.
- i) SVP NPA shall not be responsible for postal delay or any other delay in respect of submission of the bid / delay in receipt of the bid and such bid will be summarily rejected.
- j) The work once entrusted, shall be completed in the time frame as stipulated in the work order and in case of delay a penalty of 1% of the contract value is liable to be deducted from the final payment, for every week's delay.
- k) In case of inordinate delay, the Academy reserves every right to cancel the work order, without any liability including forfeiting the EMD/Security deposit submitted, as the case may be.
- l) The bidder will be blacklisted by the Academy in case of above being invoked.
- m) Prices shall be quoted in Indian rupees only.
- n) Water and electricity charges arising during the period of execution, shall be to the Contractors account.
- o) Warranty - The work executed shall carry a minimum warranty period of 01 year from the date of completion and handing over of the work.

12. Performance security :- The successful bidder shall have to deposit a performance security of 5% of the contract value of the supply / work order rounded up to next hundred in the form of account payee demand draft / bank guarantee from a nationalized / scheduled commercial bank in favour of the Director, SVP NPA Hyderabad payable at SBH Shivrapally, Hyderabad within 15 days of the placement of work order. Performance Security submitted by the bidder will remain valid for a period of sixty days beyond the date of completion of all contractual obligations of the supplier including warranty obligations. No interest will be payable for "Performance Security."

13. Following scanned documents in pdf file format must be enclosed in cover duly sealed and stamped.

- |    |   |
|----|---|
| a) | Firm Registration Certificate as per the Companies Act of India |
|----|---|
- b) Banker details
  - c) Details of previous experience/ contract copies
  - d) Scanned copy of EMD Demand Draft drawn in favour of 'The Director, S.V.P. National Police Academy, Hyderabad' submitted in portal followed by original copy before closing of tender date at the address of the Administrative Officer (Admn.), SVP National Police Academy, Shivarampally, Hyderabad. Offers received without the prescribed EMD will be rejected summarily.
  - e) Firms should be submitting only required documents and numbering of all the pages is necessary. Checklist of all the important documents should also be enclosed in the bid.
  - f) Financial bid (In excel file like BoQ): - The rates i.e. unit rate of each item and total amount including all taxes, labour charges, if any, are to be quoted explicitly both in words and figures. The Price Bid/ BOQ template must not be modified or replaced by the bidder; else the bid submitted is liable to be rejected for this tender.

28. Taxes and duties.

- (a) Vendor shall be entirely responsible for all taxes, duties, license fees etc. incurred until delivery of the contracted services to the Academy.
- (b) No bid will be considered unless and until all the pages / documents comprising the bid are properly numbered, signed and stamped by the person/s authorized to do so.

29. Right to cancel the order. The Director, SVP National Police Academy reserves the right to cancel the purchase order without any financial repercussion on either side and without seeking the consent of the supplier at any stage of purchase process. No further correspondence in this matter will be entertained.

Yours faithfully,

*g. shan*

Administrative Officer (Admn.)  
SVP NPA Hyderabad

Copy to: Programmer with a request to please get the above requirement posted in NPA Website and provides a link

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Gram: 'POLACADEMY' e-mail: [administrator@svpnpa.gov.in](mailto:administrator@svpnpa.gov.in) Tel: 91-040-24015151  
to 24015158 Fax: 91-040-24015179



**(1) REPAIR AND MAINTENANCE WORKS AT KARNATAKA BHAWAN AND  
NGO'S GUEST HOUSE IN SITE-A**

S/No	Description of Item	unit	Qty
1	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	Sqm	2205.00
2	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade:		
2.1	Two or more coats on new work	sqm	2205.00
3	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :		
3.1	One or more coats on old work	Sqm	346.00
4	French spirit polishing:		
4.1	One or more coats on old work	sqm	21.70
5.00	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	sqm	130.00
6	Repair to cracks by making groove of size upto 4mm width x6mm deep as per site condition with mechanical device, cleaning the prepared groove by air blow and applying hybrid PU sealant ( applying in two coats with pressure gun including neatly finishing to the level) of brand like Smart care of Asian paints or equivalent as approved by Engineer-in- Charge etc complete all as per the directions of Engineer in charge.	mtr	250.00
7	Arresting leakages in terrace staircase with required cement, concrete and water proofing compound etc complete	Job	1.00
8	Providing and fixing of Wooden Ply wood key box capacity of 48 nos keys measurement of 0.75x0.90x0.15 with steel key hooks door handle ,M.S Hinges, float glass with 06 mm smooth painting and finishing as per design sample will be provided by engineer in-charge	Job	1.00
9	Providing and fixing of Godrej mortise Door lock 6 lever with lock set reversible latch bolt- stella basket of 48.5 mm	job	7.00

**(2) INTERNAL PAINTING AND ARRESTING SEEPAGE AT OCTAGON BUILDING  
IN SITE-B**

S.No.	Description of item	Unit	Qty
1	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	Sqm	1786.00
2	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface :		

2.1	Water thin-able cement primer	Sqm	1786.00
3	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade:		
3.1	Two or more coats on new work	Sqm	1786.00
4	Providing and filling in the wall crake (make Asian) including finished of item.		
5	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:		
5.1	Two or more coats on new work	Sqm	98.00
6	Patches of all room in cement work at out side Building including painting etc complete of work.	Job	31.00
7	Providing and laying APP (Atactic Polypropylene Polymer) modified prefabricated five layer, 3 mm thick water proofing membrane, black finished reinforced with glass fibre matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 litre/ sqm by the same membrane manufactured of density at 25°C, 0.87 - 0.89 kg/ litre and viscosity 70 - 160 cps. Over the primer coat the layer of membrane shall be laid using butane torch and sealing all joints etc., and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be as under : Joint strength in longitudinal and transverse direction at 23°C as 350/300 N/5 cm. Tear strength in longitudinal and transverse direction as 60/80N. Softening point of membrane not less than 150°C. Cold flexibility shall be upto -2°C when tested in accordance with ASTM, D - 5147. The laying of membrane shall be got done through the authorized applicator of the manufacturer of membrane :		
7.1	3 mm thick	Job	340.00
7.2	Providing and filling in the wall crake ( make Asian) including finished of item	Rmtr	361.00
8	Providing and Applying Sliver coated top of APP (Atactic Polypropylene Polymer) including transport etc complete of item.	Sqm	340.00
9	Providing and fixing of POP Border in room inside carner including cutting and pasting of charges etc complete of item.	Rmtr	240.00

**(3) CONSTRUCTION OF COMMON TOILETS FOR DAILY WAGERS NEAR TYPE-IV RESIDENTIAL AREA IN SITE-B**

Sl.No.	Description of Item	unit	Qty
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift up to 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.		



1.2	All kinds of soil.	cum	7.56
2	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5 m including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20cm in depth including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m:		
2.1	All kinds of soil		
2.2	Pipes, cables etc. exceeding 80mm dia. but not exceeding 300mm dia.	meter	20.00
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:		
3.1	1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40mm nominal size)	cum	2.04
4	Brick work with modular fly ash lime bricks (FALG Bricks) conforming to IS :12894-2002, class designation 100 average compressive strength in super structure above plinth level up to floor V level in :		
4.1	Cement mortar 1:4 (1 cement : 4 coarse sand)	cum	22.45
5	Random rubble masonry with hard stone in foundation and plinth including leveling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20mm nominal size) at plinth level with:		
5.1	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	6.30
6	Steel work in built up tubular trusses including cutting, hoisting fixing in position and applying a priming coat of approved steel primer, welded and bolted including special shaped washers etc. complete.		
6.1	Hot finished welded type tubes.	Kg	139.28
7	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (thickness to be specified by the manufacturer) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12mm thick bed of cement Mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	sqm	39.20
8	Providing and laying Ceramic glazed floor tiles 300x300mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20mm thick cement Mortar 1:4 (1 cement : 4 Coarse sand) including pointing the joints with white cement and matching pigment etc., complete.	sqm	9.36

9	Providing and fixing pre-coated galvanized iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-Charge) 0.50mm +/- 5% total coated thickness (TCT) Zinc coating 120gsm as per IS: 277 in 240mpa 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 while 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 55mm) with EPDM seal or with polymer coated J or L hooks, bolts and nuts 8mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead 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	14.40
10	15mm cement plaster on the rough side of single or half brick wall of mix:		
10.1	1:4 (1 cement : 4 fine sand)	sqm	114.60
11	Finishing walls with Acrylic Smooth exterior paint of required shade:		
11.1	New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including base coat of water proofing cement paint applied @ 2.20 kg/10 sqm).	sqm	114.60
12	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100mm Sand Cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required:		
12.1	White Vitreous china Orissa pattern W.C. pan of size 580x440mm with integral type foot rests.	each	2.00
13	Providing and fixing wash basin with C.I. brackets, 15mm C.P. brass pillar taps, 32mm C.P. brass waste of standard pattern, including pedestal size 550x400mm	each	2.00
14	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, including cutting and making good the walls etc.		
14.1	20mm dia. nominal bore	meter	30.00
15	Providing and fixing brass bib cock of approved quality:		
15.1	15mm nominal bore	each	4.00
16	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :		
16.1	25mm nominal bore	each	2.00
17	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work)		
17.1	20mm nominal bore	each	2.00

18	Providing and placing on terrace (at all floor levels) polyethylene water storage tank ISI : 12701 marked with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank	Ltr	500.00
19	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete:		
19.1	150mm diameter	meter	20.00
20	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40mm nominal size) all-round S.W. pipes including bed concrete as per standard design:		
20.1	150mm diameter S.W. pipe	meter	20.00
21	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300x300mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design :		
21.1	100x100mm size P type		
22	With common burnt clay F.P.S. ( non modular ) Bricks of class designation 7.5	each	2.00
23	Providing and fixing CP Brass Health Faucet of make approved Quality etc complete all as per the directions of engineer-in-charge.	each	2.00
24	Providing and fixing CP Double jali of approved make with cover to Nahani traps as per direction of the Engineer-in-charge.	each	4.00
25	Providing and fixing factory made P.V.C. door frame of size 50x47 mm with a wall thickness of 5 mm, made out of extruded 5mm rigid PVC foam sheet, mitred at corners and joined with 2 Nos of 150 mm long brackets of 15x15 mm M.S. square tube, the vertical door frame profiles to be reinforced with 19x19 mm M.S. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided through out the frame. The door frame to be fixed to the wall using M.S. screws of 65/100 mm size, complete as per manufacturer's specification and direction of Engineer-in-Charge.	mtr	10.50
25.1	Providing and fixing to existing door frames.		



26	30 mm thick factory made Polyvinyl Chloride (PVC) door shutter made of styles and rails of a uPVC hollow section of size 60x30mm and wall thickness 2 mm ( $\pm$ 0.2 mm), with inbuilt decorative molding edging on one side. The styles and rails mitred and joint at the corners by means of M.S. galvanized/ plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanized M.S. tube of size 25x20 mm and 1 mm ( $\pm$ 0.1 mm) wall thickness. The lock rail made up of 'H' section, a uPVC hollow section of size 100x30 mm and 2 mm ( $\pm$ 0.2 mm) wall thickness fixed to the shutter styles by means of plastic / galvanized M.S. 'U' cleats. The shutter frame filled with a uPVC multi-chambered single panel of size not less than 620 mm, having over all thickness of 20 mm and 1 mm ( $\pm$ 0.1 mm) wall thickness . The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanized M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-charge.	sqm	4.20
27	Providing and fixing aluminium sliding door bolts, ISI marked anodized anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to be required colour or shade, with nuts and screws etc. complete :		
27.1	250x16 mm	each	2.00
28	Providing and fixing aluminium tower bolts, ISI marked, anodized (anodic coating not less than grade AC 10 as per IS : 1868 ) transparent or dyed to required colour or shade, with necessary screws etc. complete :		
28.1	200x10 mm each	each	2.00
29	Providing and fixing aluminium handles, ISI marked, anodized (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :		
29.1	100 mm	each	2.00

**(4) SHIFTING OF 03 NOS PORTA CABIN FROM VARIOUS PLACES IN SITE-B**

S/No	Description of item	Unit	Qty
1	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50m.		
1.2	All kinds of soil.	Cum	4.22
2	Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soils as directed, within a		

	lead of 50 m.		
2.1	Hard rock (blasting prohibited)	Cum	22.31
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level		
3.1	1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size)	cum	1.42
3.2	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size)	Cum	0.71
4	Random rubble masonry with hard stone in superstructure above plinth level and upto floor five level, including leveling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) at window sills, ceiling level and the like.		
4.1	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	28.5
5	20 mm cement plaster of mix :		
5.1	1:6 (1 cement: 4 fine sand)	Sqm	71.00
6	Providing and fixing on wall face un plasticized Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with sealing conforming to IS : 5382, leaving 10 mm gap for thermal expansion,(i) Single socket pipes.		
6.1	110 mm diameter	Rmtr	23.00
6.2	110 mm bend	each	9.00
7	Providing and fixing G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) :		
7.1	25 mm nominal bore	Rmtr	103.00
8	Providing and fixing G.I. Union in existing G.I. pipe line, cutting and threading the pipe and making long screws, including excavation, refilling the earth or cutting of wall and making good the same complete wherever required :		
8.1	25 mm nominal bore	Each	9.00
9	Shifting of container Rooms in campus including lifting & transport truck charges etc complete of item	each	3.00
10	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade		
10.1	Two or more coats on new work	Sqm	215.00

**(5) MISC REPAIR WORKS AT NPA HOSPITAL AT SITE-A**

SI No	Description of Item	Unit	Qty
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1	Random rubble masonry with hard stone in superstructure above plinth level and upto floor five level, including leveling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) at window sills, ceiling level and the like.		
1.1	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	6.00
2	12 mm cement plaster of mix		
2.1	1:4 (1 cement: 4 fine sand)	sqm	41.00
3	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade :		
3.1	Two or more coats on new work	sqm	41.00
4	Providing and fixing box type cub board for modular shelves including shutters , verticals, Horizontals made of 19 mm thick ply wood of grade MR-303 of make green ply or Equivalent and backing to the rear side with 9 mm thick ply wood of grade MR-303 of make GREEN PLY or equivalent including 01 mm thick lamination on all exposed surface with adhesive etc complete all as per the approved design and shade 3 including all material like adhesive SS auto hinges( HITACHI make or equivalent), SS handles 150mm size and with PVC edge beading of size 22x2 mm thick around shutters etc all complete as per the directions of Engineer-in-charge.(Box size 2.50 m length, 2.90, height and 0.57m depth)	sqm	8.00
5	Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material within 50 meters lead of :		
5.1	G.S. Sheet	Sqm	63.00
6	Providing and fixing pre-coated galvanized 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	63.00
7	Providing and Fixing Curtains all around patient beds, including aluminium channels all around the beds, with curtains fittings, fixtures, as per the direction of Engineer -in-charge	Job	12.00
8	Providing and fixing of lead partition in X-ray room including fittings and fixtures, making opening (door), see through glass (which can reflect X-rays ) as per the directions of hospital authorities and lab in- charge complete .	Sft	120