

Name of work: CIVIL WORKS FOR THE RENOVATION OF VOTF AT JAMMU						
PRICE BID						
Sl. No.		Description of items	Unit	Qty	Rate	Amount
		<b>Preamble</b>				
		<b>Rate shall be inclusive of following :</b>				
	i	The serviceable and unserviceable materials shall be stacked separately and properly in the designated place and to be Stacked/Stored at designated till the disposal / reuse of the same. The debris, excess materials is to be carted outside the premises and disposed off at the Municipal Corporation designated place up to any lead, lift and level by the Contractor at his own cost.				
	ii	All the civil work has to be carried with 53 grade OPC cement to be use for concreting and in plastering & waterproofing works PPC cement can use. cement and VSI, grade crush sand, of required fineness, which must be free from silt and other impurities				
	iii	All the civil work , whether new or repair, must be cured for at least 7 days preferable by ponding, using gunny bags etc.				
	iv	For all work, water to be use must be fresh, potable and pure without any salinity and turbidity.				
	v	The rates quoted for all the items of the BOQ shall include the following specifications: -				
	a	All the works are to be carried out at all heights and locations i.e. from foundation level, Ground Floor of the building up to the Over Head Water Tank roof slab or Mumty roof slab, as applicable.				
	b	Providing and fixing double scaffolding system (cup lock type) on the exterior side, up to any height (entire height) of the building structure made out of 40 mm dia. M.S. tubes, 1.5 m centre to centre, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube challies, M.S. clamps and M.S. staircase system in the scaffolding including the working platform etc. and maintaining it in a serviceable condition for the entire required duration as approved and directed by the Client/EIC & removing it thereafter.				
	c	The scaffolding system shall be stiffened with bracings, runners, connection with the building fascia etc. wherever required & including providing vertical supports which shall be sound and strong, tied together with horizontal steel / metal support pieces over which scaffolding planks shall be fixed properly & secured at required locations including the essential safety features for the workmen etc. complete as per directions and approval of Client/EIC. Note:- The scaffolding shall not be removed without prior approval of Client/EIC.				
	d	Providing & fixing temporary support arrangements such as Steel Props (Up to any number whenever and wherever as directed by the SBI/APMC) to support the structure provisionally during the project duration for all trades of work, etc. and maintaining the props in position till required & as directed by the consultant including other safety elements such as bracings, steel angles, working platforms, plates etc., which shall be provided & considered in the quoted rates for the areas in the vicinity in adequate numbers as directed. All trades of works indicated herein under shall include all leads & lifts & working up to any heights, depths & levels.				
	e	Providing & fixing safety net around the work so that loose plaster/ concrete does not cause damage to the property or any human being, if necessary and removing the same after completion of work.				
	g	Providing all type of PEE ( Personal protective Equipment) to the workforce such as safety shoes, safety helmets, reflective safety jacket, full body safety harness, goggles, gloves, etc. complete for all types of workforce engaged on site for execution of the work.				
	h	The quoted rate should include cost of necessary scaffolding, staging, centring, shuttering etc. as required for execution of the job at any height and location including removal of same. The scaffolding should be erected and anchored into the concrete members with help of expandable bolts, which are to be cut as the scaffolding is removed, no wall is to be punctured, at no extra cost to the Bank.				
	i	Rates shall be inclusive of all enabling works like tower cranes all safety measures, aerial lift, man & material lift, Temporary lift, scaffolding, Cup lock system, labour camp, storages, godowns, all required permissions from local governing respective authorities to carry out the works, all insurances, all licenses, administration, all S.H.E. (Safety, Health, Environment) related measures, security , watch and ward measures, barricades other than specified, traffic management, tree protection, property damage repairs, water, electricity, DG as per requirement, all tools, machineries, vehicles, etc. Complete.				
	j	Before starting of Excavation NGL levels shall be got verified and approved by Client/EIC and RL levels to be at the top of different layer and based on the difference levels excavation qty shall be calculated. Area for excavation shall be arrived by adding max 0.6m on each from RCC side working space around Foundation/Raft as per direction from Client/EIC.				
	k	All rates should be inclusive all loading, unloading, shifting,all leads, lifts, sorting, transportation, labours, tools, plants, machinery,etc. Complete				

	l	All the above-mentioned points including the requisite elements & items as mentioned shall be considered included within the quoted rates of the line items of the BOQ and nothing extra would be paid on this account.				
	m	Though Locations of execution are mentioned for specific items, Contractor have to execute those all items at all required/necessary locations at no extra cost as per direction from Client/EIC.				
	n	Contractors to be fully equipped with regulations/guidelines available at their site and guidelines/rules are to be followed by contractor till the completion of the project.				
		<b>PREAMBLE</b>				
		<b>ANTI TERMITE TREATMENT</b>				
		Contractor to ensure the following while quoting their rates for all Masonary works:				
		Including all shuttering and scaffolding material used for the go for the masonry work should be of good quality and no extra cost shall be paid for the same till Vth floor.				
		The scope of work under the items includes execution of work at all heights and location including all shapes, curved walls etc. complete.				
		The vendor shall arrange for the pesticide spray pump and other required sundries and equipments to cover all the surfaces both internal and external. The complete process shall be the responsibility of the vendor and no extra cost shall be paid whatsoever for the completion of the said work.				
1		<b>Post Construction ANTI- TERMITE Treatment :</b> Carrying out pre-construction Anti-termite treatment using approved Chemical at various components of the building and as recommended by the chemical manufacturer to safeguard the building against termite including execution and submission of guarantee for a period of 5 years (On non judicial stamp paper of required value as per format approved by Architect/EIC) against any subterranean pests infestation. The work should be got executed through specialised agencies approved by the Architect/EIC.  Mode of Measurements: Only Plane area of the Ground floor plinth and first floor area shall be measured for payment.	Sq.mt	734.76		
		The work shall include the following anti termite treatment apart from the standard procedures done by the company:				
		Spraying all over the exposed surfaces of the floor, walls and ceiling.				
		Making wholes along the walls on the both sides atleast 200mm deep @ 300mm c/c and pouring the chemical to ensure the same are filled.				
		Injecting the chemical at the joint between the wooden frame and the walls/ lintels so that the chemical covers the surface completely in cluding sparaying over the wooden surfaces including existing wooden doors.				
		Approved Agencies: Pidilite/Bayer/ Ultratech/ PCI / Godrej Hi-CARE				
		<b>CONCRETE WORK</b>				
		<b>PREAMBLE:</b>				
		Contractor to ensure the following while quoting their rates for all Concrete/RCC work:				
		Including all shuttering material used for concreting / RCC Work should be of good quality using waterproof ply/Steel plates etc. to ensure smooth finish.				
		The scope of work under the items includes execution of work at all heights and location including all shapes, curved walls, cambered beam etc. complete.				
		In case there is bulging / minor honey combing is noticed after removal of shuttering, the contractor will have to rectify the work at his own cost. The decision as to what constitute minor honey combing is left to the Engineer in charge.				
		The Contractor will be responsible for arranging "design of concrete mix" through approved Institute at their own cost within the quoted rates only and will submit the report to Bank/Architect for approval. No extra payment shall be eligible on this account.				
		Unless otherwise specified, only River Sand should be used. If the silt content is more then permissible limits, contractor will arrange washing of sand in rotary screw type washing machines within quoted rates and no extra payment shall be eligible for the same.				
		The flooring, raft & slab curing is to be done by ponding method only.				
		Checking of top level of slab should be done at every floor & it should be within IS tolerance limit / client requirement.				
		Testing should be done with material on site by third party agencies as per mentioned frequency.				
		Frequency of testing for all materials like sand, aggregates, cement, steel, concrete should be as per IS standard.				

		The use of admixture, fly ash & crush sand should be as per concrete mix design.				
		Unless otherwise specified the cement to be used shall be Ordinary Portland Cement (OPC-53) of Ultratech, ACC, Lafarge or an equivalent make as approved by bank along with proportions of fly ash.				
2		Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering - All work up to plinth level :				
		1:3:6 (1 Cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources)	Cum		17.72	
3		Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering - All work up to plinth level :				
		1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	Cum		17.72	
		<b>PREAMBLE</b>				
		<b>MASONARY WORK</b>				
		Contractor to ensure the following while quoting their rates for all Masonary works:				
		Including all shuttering and scaffolding material used for the go for the masonry work should be of good quality and no extra cost shall be paid for the same till Vth floor.				
		The scope of work under the items includes execution of work at all heights and location including all shapes, curved walls etc. complete.				
		Unless otherwise specified, only River Sand should be used. If the silt content is more then permissible limits, contractor will arrange washing of sand in rotary screw type washing machines within quoted rates and no extra payment shall be eligible for the same.				
		Frequency of testing for all materials like sand, aggregates, cement, steel, concrete should be as per IS standard.				
		Unless otherwise specified the cement to be used shall be Ordinary Portland Cement (OPC-53) of Ultratech, ACC, Lafarge or an equivalent make as approved by bank along with proportions of fly ash.				
4		Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :				
		Cement mortar 1:4 (1 cement : 4 coarse sand)	Cum		10.17	
5		Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.				
		Cement mortar 1:4 (1 cement :4 coarse sand)	Sqm		17.76	
		<b>PREAMBLE</b>				
		<b>PLASTERING WORK</b>				
		Contractor to ensure the following while quoting their rates for all plastering works:				
		Including all shuttering and scaffolding material used for the go for the masonry work should be of good quality and no extra cost shall be paid for the same till Vth floor.				
		The scope of work under the items includes execution of work at all heights and location including all shapes, curved walls etc. complete.				
		Unless otherwise specified, only River Sand should be used. If the silt content is more then permissible limits, contractor will arrange washing of sand in rotary screw type washing machines within quoted rates and no extra payment shall be eligible for the same.				
		Frequency of testing for all materials like sand, aggregates, cement, steel, concrete should be as per IS standard.				
		Unless otherwise specified the cement to be used shall be Ordinary Portland Cement (OPC-53) of Ultratech, ACC, Lafarge or an equivalent make as approved by bank along with proportions of fly ash.				
		The cost shall also include the breaking of any loose plaster or damaged plaster from the existing location and removal of the debris of any kind for disposal to a suitable location.				
6		6 mm cement plaster of mix :				
		1:3 (1 cement : 3 fine sand)	Sqm		18.59	
6A		<b>STRUCTURAL POLYMER REPAIR</b>				
		a) Removing loose concrete around the RCC member at specified locations upto concrete core with chisel and hammer, all debris, spalls, etc. to be carted outside the building compound upto the municipal dump with all lead and lift complete as per the direction of Engineer In charge				
			Sqm		10.00	
		b) Rust Remover Brushing with wire brush and removing all rust scales from rebars & washing with water as required and providing and applying Rust Remover of approved make on existing expose reinforcement bars as specified.				

		c)R.I. Coat Providing and applying Rust Inhibition Coat/systemt exposed rebars & also new rebars complete.				
		d) Bond coat Providing and applying raw Polymer Bond Coat / system to all exposed concrete surface and rebars prior to polymer treatment complete.				
		e)P.M.M. Providing and applying Polymer modified mortar in ratio 1:5:15 (1 part by weight of polymer: 5 parts by weight of cement: 15 parts by weight of Quartz sand ) upto 25mm thickness all complete.				
		<b>MAKE: WATER PROOFING COMPUND: SIKA, PIDILITE, FOSROC</b>				
7		12 mm cement plaster of mix : 1:6 (1 cement: 6 fine sand)	Sqm	48.79		
8		15 mm cement plaster on the rough side of single or half brick wall of mix : 1:6 (1 cement: 6 fine sand)	Sqm	378.50		
		<b>PREAMBLE</b>				
		<b>WALL TILES, FLOOR TILES, GRANITE AND, FACADE TILES WORK</b>				
		Contractor to ensure the following while quoting their rates for all plastering works:				
		Including all shuttering and scaffolding material used for the go for the masonry work should be of good quality and no extra cost shall be paid for the same till Vth floor.				
		The scope of work under the items includes execution of work at all heights and location including all shapes, curved walls etc. complete.				
		Unless otherwise specified, only River Sand should be used. If the silt content is more then permissible limits, contractor will arrange washing of sand in rotary screw type washing machines within quoted rates and no extra payment shall be eligible for the same.				
		Frequency of testing for all materials like sand, aggregates, cement, steel, concrete should be as per IS standard.				
		Unless otherwise specified the cement to be used shall be Ordinary Portland Cement (OPC-53) of Ultratech, ACC, Lafarge or an equivalent make as approved by bank along with proportions of fly ash.				
		The cost shall include the dismantling and removal of the existing flooring, Tile work, granite work. The dismantling item is added in the price bid.				
		No additional cost shall be paid for the leveling of the sub-base, in case the same is damaged during the dismantling. The vendor shall get the same rectified at his cost.				
		For the granite, the cost shall be inclusive of all the designs and making edge mouldings of the exposed granite edges and granite polishing of the same.				
		<b>ANTISKID FLOOR TILES FOR THE TOILETS</b>				
9		Providing and laying Ceramic <b>antiskid</b> floor tiles of size 300x300 mm (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 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), Jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with tile grout or white cement and matching pigment etc., complete.	Sqm	26.77		
		<b>MAKE: TILES: KAJARIA, JOHNSON AND JOHNSON, ORIENT</b>				
		<b>MAKE: TILE GROUT: SIKA, ROFF, PIDILITE</b>				
		<b>ANTISKID FLOOR TILES FOR THE TOILETS</b>				
9A		Providing and laying Ceramic <b>antiskid</b> floor tiles of size 600x600 mm (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 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), Jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with tile grout or white cement and matching pigment etc., complete.	Sqm	13.01		
		<b>MAKE: TILES: KAJARIA, JOHNSON AND JOHNSON, ORIENT</b>				
		<b>MAKE: TILE GROUT: SIKA, ROFF, PIDILITE</b>				
		<b>WALL TILES FOR THE TOILETS</b>				
10		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 12 mm 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	185.04		
		SIZE: 300 X 600				
		<b>MAKE: KAJARIA, JOHNSON AND JOHNSON, ORIENT</b>				
		<b>MAKE: TILE GROUT: SIKA, ROFF, PIDILITE</b>				
		<b>WALL TILES FOR THE TOILETS</b>				

10A		Providing and laying vitrified tiles on walls in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete.	Sqm	90.73		
		Size of Tile 600x1200 mm				
		MAKE: KAJARIA, JOHNSON AND JOHNSON, ORIENT				
		MAKE: TILE GROUT: SIKA, ROFF, PIDILITE				
		WALL TILES FOR THE EXTERIOR FACADE				
11		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 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including providing spacer of 3mm between the tiles and filling the 3mm groove with the epoxy of desired shade as per the instruction of the engineer-in-charge.	Sqm	143.40		
		SIZE: 200 X 1200				
		MAKE: KAJARIA, JOHNSON AND JOHNSON, ORIENT				
		MAKE: TILE EPOXY GROUT: SIKA, ROFF, PIDILITE				
12		Providing and laying Polished Granite stone 18mm thick flooring/kitchen counters/table top wash basin cointers in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge.				
		Polished Granite stone slab of colour Black, Cherry/Ruby Red or equivalent	Sqm	18.38		
		The cost shall include cost of making edge mouldings and granite polishing the same.				
		BASE PRICE: Rs. 1600 per sqm				
		HEAVY DUTY EXTERNAL ANTISKID FLOOR TILES				
13		Providing and laying vitrified full body heavy duty external antiskid floor tiles in different sizes (thickness 12mm thick) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete.				
		Size of Tile 500x500 mm/600mm x 600mm	Sqm	205.4832714		
		BASE PRICE: Rs. 700 per sqm				
		MAKE: KAJARIA, JOHNSON AND JOHNSON, ORIENT				
		MAKE: TILE GROUT: SIKA, ROFF, PIDILITE				
		PREAMBLE				
		PUTTY WORK, INTERNAL AND EXTERNAL PAINTING				
		Contractor to ensure the following while quoting their rates for all painting and allied works:				
		Including all shuttering and scaffolding material used for the go for the masonry work should be of good quality and no extra cost shall be paid for the same till Vth floor.				
		The scope of work under the items includes execution of work at all heights and location including all shapes, curved walls etc. complete.				
		The vendor shall remove all the existing finishes internal or external with sand paper and no extra cost shall be paid for the same.				
14		Plastic Emulsion with 1st quality acrylic emulsion (ready mixed) having VOC content less than 50 gram/litre, of approved manufacturer and of required shade and colour all complete to achieve even shade and colour :				
		New work (two or more coats) over and including water thinnable priming coat with cement primer having VOC content less than 50 gram/litre	Sqm	18.59		
		MAKE: ASIAN, BERGER, NEROLAC				
15		EXTERNAL PAINTING WITH HIGHER GRADED ELASTOMERIC PAINT				
	a	Preparing the existing surface by scrapping and rubbing with sandpaper to remove all loose adhere particles followed by washing with water using wire brush to ensure thorough cleaning.	Sqm	929.79		
	b	Providing and applying one coat of water based acrylic anti fungal Primer of approved quality and make as per sample approved.				

	c	Providing and applying one coat of fibre reinforced membrane paint water proofing Coat of "Protek Basecoat" of Asian/ "Weather coat Roof Guard" of Berger / "Aqua Touch" of ICI or equivalent approved by the SBI having crack bridging ability up to 2.00 mm superior anti-carbonation & water proofing property				
	d	Providing and applying 2 or more coats of approved quality External Acrylic Emulsion paint, Exterior grade having anti fungal property, resistance to dust & dirt accumulation, resistance to fading of colours etc. of approved colour and shade Apex Ultima (Asian) / Weathercoat All Guard (Berger) / Weather Shield Max (ICI) or equivalent approved by the SBI.				
		<b>Note: Rates to include cleaning afterwards, necessary scaffolding/Cradle, debris safety netting, labour etc complete.</b>				
		<b>Make: Asian Paints Ultima Protek / Berger Weathercoat Long Life or approved equivalent.</b>				
16		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		397.65	
		<b>MAKE: BIRLA WHITE PUTTY, J K WHITE PUTTY, BERGER WALL CARE PUTTY</b>				
		<b>PREAMBLE</b>				
		<b>WATER PROOFING WORKS</b>				
		Contractor to ensure the following while quoting their rates for all water proofing works:				
		Including all shuttering and scaffolding material used for the go for the masonry work should be of good quality and no extra cost shall be paid for the same till Vth floor.				
		The scope of work under the items includes execution of work at all heights and location including all shapes, curved walls etc. complete.				
		Unless otherwise specified the cement to be used shall be Ordinary Portland Cement (OPC-53) of Ultratech, ACC, Lafarge or an equivalent make as approved by bank along with proportions of fly ash.				
		Water proofing cement compound shall be as per the ISI codes and of the Best manufacturer.				
		The vendor shall make sure to clean all the surfaces and ensure removal of any loose material before start of any water proofing work.				
		The vendor shall perform all the required tests for checking the water seepage and to test the quality of the work done. No extra cost shall be paid for the same.				
		The vendor shall get the water proofing done from a reputed firms and shall in written give a warranty of 5 years for the water proofing works for any defect.				
17		Providing and laying water proofing treatment in sunken portion of WCs, bathroom, outer walls etc., by applying cement slurry mixed with water proofing cement compound consisting of applying :				
		First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/ sqm. This layer will be allowed to air cure for 4 hours.				
		Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours.				
		The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.	Sqm		398.60	
		<b>MAKE: WATER PROOFING COMPUND: SIKA, PIDILITE, BERGER, FOSROC</b>				
18		Providing and Applying 2 coats of waterproofing chemical (Cement based Polymer/Acrylic modified highly flexible waterproof coating) taking care the subsequent coat is applied after the previous coat is touch dry as per the literature of waterproofing chemical. The coats must be applied at right angles to each other @ 2 Kg per Sq mt. The work shall include the following preparation of surface	Sqm		301.58	
	1	Rake the construction joints to remove loose concrete from the joint.				
	2	Clean the RCC Substrate of all oil, grease and loosely adhering particles including removal of the existing waterproofing material.				
	3	Repair the RCC with rich cement-sand mortar (1:2) and chemical if there are any crack (more than 1 mm wide), pinholes, etc.				
	4	Wet the RCC substrate by sprinkling water.				
	5	Repair the RCC with rich cement-sand mortar (1:2) and chemical if there are any crack (more than 1 mm wide), pinholes, etc.				
	6	Wet the RCC substrate by sprinkling water.				
		<b>MAKE: WATER PROOFING COMPUND: SIKA, PIDILITE, BERGER, FOSROC, ASIAN PAINTS</b>				
		<b>PREAMBLE</b>				
		<b>ALUMINIUM WORKS</b>				

		Contractor to ensure the following while quoting their rates for all aluminium works:				
		Including all shuttering and scaffolding material used for the go for the masonry work should be of good quality and no extra cost shall be paid for the same till Vth floor.				
		The scope of work under the items includes execution of work at all heights and location including all shapes, curved walls etc. complete.				
		The cost shall include the required supports for holding the aluminium works at right position.				
		The cost shall also include sealing of the joints with silicon based adhesive compound of desired color to avoid any water seepage.				
19		Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be included as per the details below) :	Sqm	7.43		
		Glass : 6mm SGU fix thick ET-125 glass standard compay of Saint Gobain/ Aasahi Float/ Modi Guard Mosquito Net : 18x24 fly proof stainless steel grade 304 wire gauge jali or as per approved by architect/EIC.				
		MAKE: ALUMINIUM SECTIONS: HINDALCO, NALCO, JINDAL ALUMINIUM				
		GLASS: SAINT GOBAIN, ASAAHI FLOAT, MODI GUARD				
		<b>TOTAL AMOUNT</b>				
<b>ESTIMATE FOR THE PUBLIC HEALTH WORKS OF THE VOTF JAMMU</b>						
<b>ABSTRACT OF COST</b>						
<b>Sl. No.</b>		<b>Description of Items</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
		<b>PREAMBLE</b>				
		<b>PUBLIC HEALTH WORKS</b>				
		Contractor to ensure the following while quoting their rates for all Public works:				
		Including all shuttering and scaffolding material used for the go for the masonry work should be of good quality and no extra cost shall be paid for the same till Vth floor.				
		The scope of work under the items includes execution of work at all heights and location including all shapes, curved walls etc. complete.				
		The work shall include the cost of all type of sundries like white cement, fixing threads, fixing tape, wet chalk for seeling, adhesive and sealant for the UPVC and CPVC pipes and other material for the proper execution of the works.				
		The vendor shall require to get the plumbing piping system checked with pressure pump for checking of any kind of leakage or to check the sustainability of the piping system.				
		The smoke test shall be conducted for the UPVC pipes to check any defects in the pipes and execution of the works.				
		All the sewage and the plumbing pipes shall be concealed, hence the vendor shall required to depute skilled labour for chasing of walls etc. and to install required plumbing and sewage pipes. The required covering for the chases shall be done with cement mortar 1:3 or concrete: 1:2:4 as per the direction of the EIC. No extra cost shall be paid.				
20		Providing and fixing on wall face/ concealed in walls/floor unplasticised Rigid PVC (6kg pressure) rain water and sewer pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion. (Note: The cost includes all the required accessories like bends, Tees, Union etc.) (i) Single socketed pipes.				
		75 mm diameter	Meter	110.36		
		MAKE: UPVC PIPES AND ACCESSORIES: ASTRAL, SUPREME, FINOLEX, PRINCE				
21		Providing and fixing on wall face/ concealed in walls/floor unplasticised Rigid PVC (6kg pressure) rain water and sewer pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion. (Note: The cost includes all the required accessories like bends, Tees, Union etc.) (i) Single socketed pipes.				
		110 mm diameter	Meter	155.02		
		MAKE: UPVC PIPES AND ACCESSORIES: ASTRAL, SUPREME, FINOLEX, PRINCE				

22		Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length, including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete				
		75 mm	Each		70.00	
23		Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length, including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete				
		100 mm	Each		91.33	
24		Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings and fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc.				
		32 mm nominal dia Pipes	Meter		420.00	
		<b>CPVC PIPES: ASTRAL, SUPREME, PRINCE</b>				
25		Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings and fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc.				
		25 mm nominal dia Pipes	Meter		320.00	
		<b>CPVC PIPES: ASTRAL, SUPREME, PRINCE</b>				
26		Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes with tank connector fitting but without the base support for tank.				
			per litre		500.00	
		<b>MAKE: PVC WATER TANK: SINTEX, ASHIRWAD, SUPREME</b>				
27		Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :				
		25 mm nominal bore	Each		4.00	
		<b>MAKE: VALVES: ZOLOTO, L&amp;T VALVES LIMITED, KIRLOSKAR BROTHERS LIMITED.</b>				
28		Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :				
		40 mm nominal bore	Each		2.00	
		<b>MAKE: VALVES: ZOLOTO, L&amp;T VALVES LIMITED, KIRLOSKAR BROTHERS LIMITED.</b>				
29		Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :				
		25 mm nominal bore	Each		1.00	
		<b>MAKE: VALVES: ZOLOTO, L&amp;T VALVES LIMITED, KIRLOSKAR BROTHERS LIMITED.</b>				
30		Providing and fixing unplasticised PVC connection pipe with brass unions :				
		45 cm length				
		15 mm nominal bore	Each		64.00	
		<b>MAKE: CONNECTION PIPES: ASTRAL, PRINCE PIPES AND FITTINGS, SUPREME</b>				
31		Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.				
		Flexible pipe				
		32mm dia	Each		13.00	
		<b>MAKE: WASTE PIPES: ASTRAL, PRINCE PIPES AND FITTINGS, SUPREME</b>				
32		Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required :				
		W.C. pan with ISI marked white solid plastic seat and lid	Each		11.00	
		<b>MAKE: WC: KEROVIT, JACQUAR, KOHLER</b>				
		<b>KEROVIT KUPA- KS709</b>				



33		Providing and fixing Table top Wash Basins 560 x 410mm x 135 including 32mm CP brass waste complete. The work shall also include cutting hole in the granite and rcc slab for the connections and waste disposal.	Each	12.00		
		<b>MAKE: WB: KEROVIT, JACQUAR, KOHLER</b>				
		<b>KEROVIT YORKSHIRE K208</b>				
34		Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required :				
		Kitchen sink with drain board				
		1040mm X 545MM X bowl depth 230 mm	Each	2.00		
		<b>MAKE: SINK: NIRALI, KOHLER, HOUZER</b>				
		<b>NIRALI OPAL BG (BIG)</b>				
35		Providing and fixing 1000 X 750 mm beveled edge mirror of superior glass 6mm thick (of approved quality) complete including fixing the same with 40mm x 8-10mm spacer stainless steel studs of grade 304A and washers complete	Each	12.00		
		<b>MAKE: MIRROR: SAINT GOBAIN, ASAAHI FLOAT, MODI GUARD</b>				
36		Providing and fixing 750 X 1800 mm beveled edge mirror of superior glass 6mm thick (of approved quality) complete including fixing the same with 40mm x 8-10mm spacer stainless steel studs of grade 304A and washers complete	Each	9.00		
		<b>MAKE: MIRROR: SAINT GOBAIN, ASAAHI FLOAT, MODI GUARD</b>				
37		Providing and fixing UPVC Floor trap 100mm with 100mm x 100mm square Stainless steel grade 304A perforated jali and frame for the jali.	Each	34.00		
		<b>MAKE: FLOOR TRAP: SUPREME, ASTRAL, FINOLEX</b>				
38		Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :				
		15 mm nominal bore	Each	10.00		
		<b>MAKE: BIB COCK: KEROVIT, JACQUAR, KOHLER</b>				
		<b>KEROVIT HYDRUS RANGE KBS11004</b>				
39		Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms				
		15 mm nominal bore	Each	3.00		
		<b>MAKE: LONG NOSE: KEROVIT, JACQUAR, KOHLER</b>				
		<b>KEROVIT NUCLEUS RANGE KB111033</b>				
40		Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.				
		15 mm nominal bore	Each	16.00		
		<b>MAKE: LONG NOSE: KEROVIT, JACQUAR, KOHLER</b>				
		<b>KEROVIT HYDRUS RANGE KBS11003</b>				
41		Providing and fixing C.P. brass Center Hole Mixer for basin mixer of approved quality conforming to IS:8931				
		15 mm nominal bore	Each	12.00		
		<b>MAKE: CENTRE HOLE MIXTURE: KEROVIT, JACQUAR, KOHLER</b>				
		<b>KEROVIT HYDRUS RANGE KBS11011</b>				
42		Providing and fixing CP Brass Single lever wall mixer with flange connection for the overhead shower of quality & make as approved by Engineer in charge.				
		15 mm nominal bore	Each	10.00		
		<b>MAKE: BATHING MIXTURE: KEROVIT, JACQUAR, KOHLER</b>				
		<b>KEROVIT HYDRUS RANGE KBS11019</b>				
43		Providing and fixing CP Brass Single lever wall mixer (sink) of quality & make as approved by Engineer in charge.				
		15 mm nominal bore	Each	2.00		
		<b>MAKE: SINK MIXTURE: KEROVIT, JACQUAR, KOHLER</b>				
		<b>KEROVIT HYDRUS RANGE KBS11024</b>				
44		Constructing brick masonry manhole in cement mortar 1:4 ( 1 cement : 4 coarse sand ) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design :				
		Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) :				
		With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	12.00		

45		Constructing brick masonry manhole in cement mortar 1:4 ( 1 cement : 4 coarse sand ) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design :				
		Inside size 120x90 cm and 90 cm deep including C.I. cover with frame (medium duty) 500 mm internal diameter, total weight of cover and frame to be not less than 116 kg (weight of cover 58 kg and weight of frame 58 kg) :				
		With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	1.00		
46		Making soak pit 2.5 m diameter 3.0 metre deep with 45 x 45 cm dry brick honey comb shaft with bricks and S.W. drain pipe 100 mm diameter, 1.8 m long complete as per standard design				
		With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	1.00		
47		Providing and fixing square-mouth UPVC gully trap 6kg pressure complete with UPVC grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm 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:				
		100x100 mm size P type				
		With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	10.00		
		MAKE: UPVC GULLY TRAP: ASTRAL, SUPREME, PRINCE				
48		Providing and fixing CP Brass rain shower 300mm round in dia., the cost shall include the company manufactured 600mm CP Brass rod for the extension and holding of rain shower. The cost shall be inclusive of all the sundries required.	Each	10.00		
		MAKE: RAIN SHOWER: KEROVIT, JACQUAR, KOHLER				
		KEROVIT KA570007 300MM DIA RAIN SHOWER WITH 600MM CP BRASS ARM				
49		Providing and fixing CP Brass Hand Shower (Health Faucet) with 1m pipe and side hook. The cost shall be inclusive of all the sundries required.	Each	10.00		
		MAKE: RAIN SHOWER: KEROVIT, JACQUAR, KOHLER				
		JACQUAR HEALTH FAUCET ALD-CHR-573 WITH 1M EXTENSION PIPE AND SIDE HHOK				
50		Installing and commissioning of the existing available center hole mixture to the required position, including the cost of the required sundries and masonry work necessary for the installation of the same. The cost shall include required cutting in the granite and slab.	Each	6.00		
51		Installing and commissioning of the existing available bathing mixture with flange for shower and sink mixture to the required position, including the cost of the required sundries and masonry work necessary for the installation of the same.	Each	6.00		
52		Installing and commissioning of the existing available angle valve, bib cock and long nose to the required position, including the cost of the required sundries and masonry work necessary for the installation of the same.	Each	20.00		
53		Installing and commissioning of the existing available wall hung typr water closet to the required position, including the cost of the required sundries and masonry work necessary for the installation of the same.	Each	6.00		
54		Installing and commissioning of the existing available table top type wash basins to the required position, including the cost of the required sundries and masonry work necessary for the installation of the same. The cost shall include cutting of the granite and fixing in position the CP Waist.	Each	6.00		
		<b>TOTAL AMOUNT</b>				
<b>Name of work: GATE FOR THE BOUNDARY WALL FOR THE RENOVATION OF VOTF AT JAMMU</b>						
<b>PRICE BID</b>						
55		Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required				
		In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	kg	432.00		
56		PORTA CABIN FOR THE SECURITY GUARD (1.2m x1.2m x 2.5m (height)				
	1	Providing and fixing porta cabin for the security guard with the following specifications:	sqm	1.44		

	a	Cabin Size 1.2m x 1.2m internal.				
	b	Bottom Frame of ISMC 100mm x 50mm				
	c	Top Frame of MS Square Pipe 50mm x 50mm				
	d	Stiffener Bottom of ISMC 100 x 50 base frame, MS Angle 50mm x 50mm & MS Pipes.				
	e	Stiffener Top of MS Square Pipe 50 x 50mm.				
	f	Side Post of MS Square Pipe 62 x 62mm.				
	g	Panelling Outside ACP 3mm sheet of wooden shade.				
	h	Internal wall panelling of 8mm thick. Pre-laminated MDF Sheet, and all vertically and horizontal corners shall be neatly and				
	i	Roof Outside GI Sheet duly enamel painted of 1.4mm thick. with properly sloped and water tight.				
	j	False Ceiling of 8mm thick. Pre-laminated MDF and all vertically and horizontal corners shall be neatly and smoothly finished with Aluminium sections and MS Angle.				
	k	Flooring wit 18mm thick. Bison Panel (Cemented Board) of reputed make.Shall be fixed by means of Self-tapping screws & 1.5mm thick. PVC Vinyl flooring shall be fixed on the Panel (100% Water, Termite & Dimensional Proof)				
	l	Aluminium Windows with Double Shutter Sliding Aluminium Power Coated Windows of 2mm thick. with 4mm Glass for all windows with Safety grill, Mosquito mesh from outside & canopy on the top of every window.				
	m	01 no. Aluminium windows 3 x6 ft with grill.				
	n	The Doors shall be external opening type made out of s 30mm x 30mm Square Pipe, external wall made with 3mm thick ACP sheet off wooden shade & inner wall decorated with 4mm Prelaminated water proof sheet & suitable locking system				
	o	Main door with latches/ handle – 01 no of size 3' x 6'-5"				
	p	Glass Wool density of 64 kg/m3, Glass Wool insulation of 50 mm thick. on all walls and 100mm thick. on the top ceiling.				
	q	Outside & Inside Paint by Phosphate the Cabin & Painting with 1 Coat of Epoxy Primer with Two Coats of Epoxy Paint				
	r	The cabin shall also have electrical fitting consisting of one 15A raw power plug, one 5A light plug point, two light points and one fan point controlled by one 4WAY SPN DB. All the wiring shall be concealed.				
		<b>TOTAL AMOUNT</b>				
<b>Name of work: DISMANTLING WORKS FOR THE RENOVATION OF VOTF AT JAMMU</b>						
57		Dismantling the existing toilet fittings complete i.e all the ceramic fittings, CP Brass fittings and required GI fittings as required, dismantling of the our kota stone and paver tiles flooring for making the provisions for the heavy duty exterior tile flooring and any other structural dismantling required for the execution of the renovation works. furthermore, disposal of the debris to a suitable location as permissible by the local authoritie.The work shall also include storing of the re-usable material of the toilet fittings to a suitable location and re-installation of the same as per the direction of the engineer-in-charge.	LS	1.00		
		<b>NOTE: THE VENDOR SHALL ENSURE REMOVAL OF THE RE-USABLE MATERIAL WITH FULL CARE AND CAUTION. IN CASE OF ANY BREKAGE DUE TO THE FAULT OF THE VENDOR , THE SAME SHALL BE REPLACED BY THE VENDOR AT HIS COST AND EXPENDITURE.</b>				
58		Buy back of the dismantled material not to be re-used as per the instruction of the EIC complete with removal of the same from the site at the cost of the vendor.	LS	1.00		
		<b>Note: In case the local vendors provide better buy back amount for the material, the same shall be sold to tyhe local vendor and the Bank shall be in no way compulsive to give the buy back to the successful vendor at the amount quoted.</b>				
		<b>TOTAL AMOUNT</b>				
		<b>NOTE: GST AS APPLICABLE SHALL BE EXTRA.</b>				