

**NIELIT CALICUT**  
**GSTIN : 32AAATD0315M1Z6**  
 Post Box No. 5, P. O. NIT Campus  
 CALICUT – 673601, Kerala  
 Tel.: 0495-2287266, 2287166

**SCHEDULE OF WORK – TOILET RENOVATION WORK IN CAMPUS- 1 IN NIELIT CALICUT**

Sl No	Description of item	Qty.	Unit	Rate	Amount
1	Renovation of Toilets (Room No 105 & 106) in NIELIT Campus 1, including cost and conveyance of all materials labours etc complete The Work involves a. Dismantling of all tiles work, concrete work inside the toilet floors (4 rooms) and all existing sewer lines of all toilets and urinals. Sealing of all existing GI water lines b. Providing and fixing of new Ceramic tiles with base concrete flooring work inside the toilet floors (4 rooms) and below the urinals c. Supplying and fixing of new Ceramic European Closet and Urinals with new PVC sewer and drainage line connecting to the existing renovated sewer line located behind the toilet block d. Supplying and fixing of new CPVC Water line with all fittings like PVC angle valve, nylon connection, health faucet and 2 way tap push taps etc e. Supplying and fixing of new uPVC door frame and uPVC single panel door shutter for the toilets				
a	<b>Dismantling &amp; Demolishing</b> Dismantling & Demolishing of concrete works , tile work in walls & floors, Ceramic EW closet & urinals, PVC & GI pipes, fitting, in manually/ by mechanical means, without causing any damages to the adjacent structures making site available clean for work, carrying of dismantled materials within 100 metres lead, complete as per direction of Engineer-in-charge	1	LS		
b	<b>Drainage Work</b> Providing and laying of uPVC pipes sewer pipes (working pressure 4 kg / cm <sup>2</sup> ) from toilets to the newly constructed manhole, including fixing the pipe, including all PVC plain & brass threaded fittings (working pressure 4 kg / cm <sup>2</sup> ). This includes jointing of pipes & fittings with one step PVC solvent cement and testing of joints, complete as per direction of Engineer in Charge, including cost and conveyance of all materials labours etc complete				
	U-PVC pipes (working pressure 4 kg / cm <sup>2</sup> ) Single socketed pipe 75 mm dia	20	m		
	uPVC pipes (working pressure 4 kg / cm <sup>2</sup> ) Single socketed pipe size 110 mm dia	15	m		
c	<b>Drainage Work</b> Providing and fixing of PVC Line/P traps of 63mm & 110 mm dia (as per current market availability and rate) of approved quality,				

SI No	Description of item	Qty.	Unit	Rate	Amount
	in positions , complete as per direction of Engineer in Charge				
	63mm	3	Each		
	110mm	7	Each		
d	<b>Concrete Work</b> Providing and laying cement concrete in floors above the brick works fo, excluding the cost of centring, shuttering and finishing: in mix ratio of 1:1½:3 (1 cement: 1½ coarse sand (zone-III): 3 graded stone aggregate 20 mm nominal size), ), complete as per direction of Engineer-in-charge	1.3	cum		
e	<b>Ceramic Glazed Tiles Work</b> Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm or more (thickness to be specified by the manufacturer), of 1 <sup>st</sup> quality conforming to IS : 15622, of approved make, in approved colours, shades, laid on 20 mm thick Cement Mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including pointing the joints with white cement and matching pigments etc., complete as per direction of Engineer in Charge, including cost and conveyance of all materials labours etc complete	9.3	sqm		
f	<b>Sanitary Installations Work</b> Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, 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 complete as per direction of Engineer in Charge, including cost and conveyance of all materials labours etc complete	4	Each		
g	<b>Sanitary Installations Work</b> Providing and fixing white vitreous china squatting plate urinal with integral rim longitudinal flush pipe including cutting and making good the walls and floors wherever required complete as per direction of Engineer in Charge, including cost and conveyance of all materials labours etc complete	4	Each		
h	<b>Water Supply</b> Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge 40 mm nominal outer dia Pipes	40	m		
i	<b>P.V.C. Work</b> Providing and fixing factory made uPVC door frame and uPVC single panel door shutter (as per current market availability and rate) in position made of uPVC extruded sections of approved quality and colour, and fixing hinges and all other fittings such as handle, tower bolt etc. including cost and conveyance of all materials and labours etc, complete as per direction of Engineer-in-charge, manufacturer's specification Opening size 210cm x 85cm	2	Each		

SI No	Description of item	Qty.	Unit	Rate	Amount
j	<p><b>P.V.C. Work</b>  Providing and fixing factory made uPVC door (as per current market availability and rate) and fixing hinges and all other fittings such as handle, tower bolt etc. Fixing of existing available door shutter in positions, including cost and conveyance of all materials and labours etc, complete as per direction of Engineer-in-charge, manufacturer's specification  Opening size 210cm x 85cm</p>	2	Each		
k	<p><b>P.V.C. Plumbing work</b>  Providing and fixing of 20 mm nominal bore PVC angle valve, nylon connection, health faucet, 2 way tap and push taps etc (as per current market availability and rate) of approved quality, in positions, complete as per direction of Engineer-in-charge,</p>				
	PVC Health faucet	4	Each		
	PVC Angle valve	10	Each		
	PVC Nylon connection	8	Each		
	PVC 2 way tap	2	Each		
	PVC Push Tap	7	Each		
	Waste coupling for urinals	4	Each		
SS/ PVC Gratings	7	Each			
2	<p>Sewer line and Drainage line renovation of Toilets (Room No 117 &amp; 118) in NIELIT Campus 1, including cost and conveyance of all materials labours etc complete  The Work involves</p> <ol style="list-style-type: none"> <li>Dismantling of all tiles work, concrete work inside the toilet floors (4 rooms) and all existing sewer lines and drainage of all toilets (4 rooms) and urinals, dismantling of all manholes and existing sewer line to the Main septic tank.</li> <li>Providing and fixing of new Ceramic tiles with base concrete flooring work inside the toilet floors (4 rooms) and below the urinals</li> <li>Supplying and fixing of new Ceramic European Closet with new PVC sewer and drainage line</li> <li>Providing and laying of uPVC sewer pipes (working pressure 4 kg / cm<sup>2</sup> ) from back side of toilets (Room No 117 &amp; 118), including construction of new concrete manholes / installation of new PVC manholes in positions, connecting to the existing Main septic tank in the back side of Main building</li> <li>Replacing of brackets / clamps of 5 urinals in room 118 and re-fixing of the same in positions.</li> <li>Supplying and fixing of new uPVC door frame and uPVC single panel door shutter for the toilets</li> </ol>				

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a	<b>Dismantling &amp; Demolishing</b> Dismantling & Demolishing of concrete works , tile work in walls & floors, Ceramic EW closet & urinals, PVC & GI pipes, fitting, in manually/ by mechanical means, without causing any damages to the adjacent structures making site available clean for work, carrying of dismantled materials within 100 metres lead, complete as per direction of Engineer-in-charge	1	LS		
b	<b>Earth Work</b> Excavating trenches of required width for pipes, cables, etc, including excavation for sockets, depth upto 1.5 m, including getting out the excavated materials, finishing of both sides by brick works using autoclaved aerated cement blocks masonry with 150mm/230mm/300 mm thick AAC blocks in both sides below plinth level with approved block laying polymer modified adhesive mortar and covering of top using pre-casted slabs using concrete mix of 1:1½:3 (1 cement: 1½ coarse sand (zone-III): 3 graded stone aggregate 20 mm nominal size) and 6 mm TMT rod at 15 cm c/c spacing, filling of m-sand in thw trench after laying of all required pipes, in layers not exceeding 20 cm in depth, including consolidating each deposited layers by ramming, watering etc ., Finishing of the top surface matching to the surrounding floor finish stacking serviceable material for measurements and disposal of unserviceable material as directed, within a lead of 50 m complete as per direction of Engineer-in-charge	16	metre		
c	<b>Drainage Work</b> Providing and laying of uPVC pipes sewer pipes (working pressure 4 kg / cm <sup>2</sup> ) from admin toilets to the newly constructed manhole, including fixing the pipe, including all PVC plain & brass threaded fittings (working pressure 4 kg / cm <sup>2</sup> ). This includes jointing of pipes & fittings with one step PVC solvent cement and testing of joints, complete as per direction of Engineer in Charge, including cost and conveyance of all materials labours etc complete				
	Soil Area				
	U-PVC pipes (working pressure 4 kg / cm <sup>2</sup> ) Single socketed pipe 75 mm dia	20	m		
	uPVC pipes (working pressure 4 kg / cm <sup>2</sup> ) Single socketed pipe size 110 mm dia	50	m		
	Ordinary rock				
	uPVC pipes (working pressure 4 kg / cm <sup>2</sup> ) Single socketed pipe size 110 mm dia	10	m		
d	<b>Drainage Work</b> Providing and fixing of PVC Line/P traps of 63mm & 110 mm dia (as per current market availability and rate) of approved quality, in positions , complete as per direction of Engineer in Charge				
	63mm	3	Each		
	110mm	7	Each		
e	<b>Concrete Work</b> Providing and laying cement concrete in floors above the brick works, excluding the cost of centring, shuttering and finishing: in mix ratio of 1:1½:3 (1 cement: 1½ coarse sand (zone-III): 3 graded stone aggregate 20 mm nominal size), ), complete as per	1.5	cum		

SI No	Description of item	Qty.	Unit	Rate	Amount
	direction of Engineer-in-charge				
f	<p><b>Ceramic Glazed Tiles Work</b>  Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm or more (thickness to be specified by the manufacturer), of 1<sup>st</sup> quality conforming to IS : 15622, of approved make, in approved colours, shades, laid on 20 mm thick Cement Mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including pointing the joints with white cement and matching pigments etc., complete as per direction of Engineer in Charge, including cost and conveyance of all materials labours etc complete</p>	11.4	sqm		
g	<p><b>Sanitary Installations Work</b>  Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, 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 complete as per direction of Engineer in Charge, including cost and conveyance of all materials labours etc complete</p>	4	Each		
h	<p><b>Sanitary Installations Work</b>  Dismantling of existing urinals from positions and re-fixing of the same with new brackets / clamps ,screws, nuts and bolts etc, complete as per direction of Engineer-in-charge,</p>	5	Each		
i	<p><b>Sanitary Installations Work</b>  Providing and fixing of PVC Man holes with inlet and outlet 110mm dia (as per current market availability and rate) of approved quality, in positions as per direction of Engineer-in-charge,</p>	5	Each		
j	<p><b>Drainage Work</b>  Constructing brick masonry manhole in cement mortar 1:4 ( 1 cement : 4 coarse sand ) with R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 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), , complete as per direction of Engineer in Charge</p>	5	Each		
k	<p><b>P.V.C. Work</b>  Providing and fixing factory made uPVC door frame and uPVC single panel door shutter (as per current market availability and rate) in position made of uPVC extruded sections of approved quality and colour, and fixing hinges and all other fittings such as handle, tower bolt etc. including cost and conveyance of all materials and labours etc, complete as per direction of Engineer-in-charge, manufacturer's specification</p>	2	Each		

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	Opening size 210cm x 85cm				
l	<b>P.V.C. Work</b> Providing and fixing factory made uPVC door (as per current market availability and rate) and fixing hinges and all other fittings such as handle, tower bolt etc. Fixing of existing available door shutter in positions, including cost and conveyance of all materials and labours etc, complete as per direction of Engineer-in-charge, manufacturer's specification Opening size 210cm x 85cm	2	Each		
m	<b>P.V.C. Plumbing work</b> Providing and fixing of 20 mm nominal bore PVC angle valve, nylon connection, health faucet, 2 way tap and push taps etc (as per current market availability and rate) of approved quality, in positions, complete as per direction of Engineer-in-charge,				
	PVC Health faucet	4	Each		
	PVC Angle valve	6	Each		
	PVC Nylon connection	4	Each		
	PVC 2 way tap	2	Each		
	Waste coupling for urinals	5	Each		
	SS/ PVC Gratings	7	Each		
3	Renovation of the sewage line of urinals in toilet (room No 127) and renovation of sewer line from outside of the Toilets (Room No 126 & 127) with a new masonry septic tank near to the toilet in NIELIT Campus 1, including cost and conveyance of all materials labours etc complete The Work involves a) Dismantling of all tiles work, concrete work under the urinals in the toilet dismantling of existing sewer lines of all toilets (Room No 126 & 127). Sealing of all existing GI water lines b) Providing and fixing of new Ceramic tiles with base concrete flooring work the urinals in the toilet. c) Construction of new masonry septic tank near to the toilet of finished size 8ft length, 4ft breadth and 6ft height. d) Providing and laying of uPVC sewer pipes (working pressure 4 kg / cm <sup>2</sup> ) from back side of toilets (Room No 1266 & 127), including construction / installation of new PVC manholes in positions and connecting to the newly constructed masonry septic tank near to the toilet				
a	<b>Drainage Work</b> Providing and laying of uPVC pipes sewer pipes (working pressure 4 kg / cm <sup>2</sup> ) from admin toilets to the newly constructed manhole, including fixing the pipe, including all PVC plain & brass threaded fittings (working pressure 4 kg / cm <sup>2</sup> ). This includes jointing of pipes & fittings with one step PVC solvent				

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	cement and testing of joints, complete as per direction of Engineer in Charge, including cost and conveyance of all materials labours etc complete				
	U-PVC pipes (working pressure 4 kg / cm <sup>2</sup> ) Single socketed pipe 75 mm dia	10	m		
	uPVC pipes (working pressure 4 kg / cm <sup>2</sup> ) Single socketed pipe size 110 mm dia	15	m		
b	<b>Drainage Work</b> Providing and fixing of PVC Line/P traps of 110 mm dia (as per current market availability and rate) of approved quality, in positions , complete as per direction of Engineer in Charge				
	110mm	2	Each		
c	<b>Concrete Work</b> Providing and laying cement concrete in floors above the brick works fo, excluding the cost of centring, shuttering and finishing: in mix ratio of 1:1½:3 (1 cement: 1½ coarse sand (zone-III): 3 graded stone aggregate 20 mm nominal size), ), complete as per direction of Engineer-in-charge	0.65	cum		
d	<b>Ceramic Glazed Tiles Work</b> Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm or more (thickness to be specified by the manufacturer), of 1 <sup>st</sup> quality conforming to IS : 15622, of approved make, in approved colours, shades, laid on 20 mm thick Cement Mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including pointing the joints with white cement and matching pigments etc., complete as per direction of Engineer in Charge, including cost and conveyance of all materials labours etc complete	6.8	sqm		
e	<b>Sanitary Installations Work</b> Dismantling of existing urinals from positions and re-fixing of the same with new brackets / clamps ,screws, nuts and bolts etc, complete as per direction of Engineer-in-charge,	5	Each		
f	<b>Sanitary Installations Work</b> Providing and fixing of PVC Man holes with inlet and outlet 110mm dia (as per current market availability and rate) of approved quality, in positions as per direction of Engineer-in-charge,	2	Each		
g	<b>P.V.C. Plumbing work</b> Providing and fixing of Waste coupling for urinals & SS/ PVC Gratings etc (as per current market availability and rate) of approved quality, in positions, complete as per direction of Engineer-in-charge				
	Waste coupling for urinals	5	Each		
	SS/ PVC Gratings	1	Each		
h	SEPTIC TANK CONSTRUCTION Finished size 2.44m x 1.22m x 1.83m (8 ft x 4 ft x 6 ft) <b>Earth work in excavation (6 cum)</b> 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				

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	excavated soil and disposal of surplus excavated soils as directed, within a lead of 50 m (blasting prohibited) <b>Stone masonry (1.6 cum)</b> with laterite stone of size 35 x 20 x 20 cm, Below ground level inside the pit on four sides with CM 1:6 (1cement : 6 coarse sand). <b>Covering Slab</b> Steel reinforcement using 8mm $\phi$ Thermo-mechanically treated bars @10 cm c/c spacing for R.C.C. work, including straightening, cutting, bending, placing in position and binding. Providing and laying in position, reinforced cement concrete with mix ratio of 1:1.5:3 (1 cement: 1.5 coarse sand (zone-III): 3 graded stone aggregate 20 mm nominal size). including centering and shuttering, strutting, propping etc. and removal of form, including cost and conveyance of all materials and labours etc complete	1	Each		
	<b>Total Amount in Rs.</b>				
	<b>Discount, if any</b>				
	<b>GST @ _____%</b>				
	<b>Any other levies/charges</b>				
	<b>Total Amount (including all charges) in Rs.</b>				
	<b>Payment Terms</b>				
	<b>Time required to complete the work</b>				
	<b>Quotation Validity</b>				
	<b>Warranty</b>				
	<b>Others, if any</b>				
	<b>GST Registration No.</b>				
	<b>Email ID</b>				
	<b>Mobile No.</b>				

- ❖ **NB : Contractor may visit the site and inspect before quoting to know the actual site conditions**
- ❖ **NB : The Work is inclusive of all material and Labour**

For National Institute of Electronics and Information  
Technology, Calicut

Date:

Signature of the Contractor / Seal

Date:

Name, Address