

## SCHEDULE OF QUANTITIES

State : Tami Nadu  
Branch - Civil

EMD  
QMS  
NIT, Trichy

REF : NITT/EO/EMD/CIVIL WORKS /En.No. 22(25)/2012-13,dt.17.09.2012, Due on 01.10.2012

Name of work: Laying of pipe line & erection of pump set in to the newly drilled bore well No.4 & 5 located near water management farm

S.No.	DESCRIPTION OF ITEM	QTY	RATE	UNIT	AMOUNT
1	<b><u>WATER SUPPLY</u></b>				
1.1	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, including cutting and making good the walls etc. Internal work - Exposed on wall				
1.1.1	50 mm dia. nominal bore	10 metre		metre	
1.2	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :				
1.2.1	50 mm nominal bore	2 Nos		each	
1.3	Providing and fixing gun metal non- return valve of approved quality (screwed end) :				
1.3.1	50 mm nominal bore				
1.3.1.1	Horizontal	2 Nos		each	

**Name of work: Laying of pipe line & erection of pump set in to the newly drilled bore well No.4 & 5 located near water management farm**

S.No.	DESCRIPTION OF ITEM	QTY	RATE	UNIT	AMOUNT
1.4	Constructing masonry Chamber 120x120x100 cm, inside with 75 class designation brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for sluice valve, with C.I. surface box 100 mm. top diameter, 160 mm bottom diameter and 180 mm deep ( inside) with chained lid and RCC top slab 1:2:4 mix (1 cement :2 coarse sand : 4 graded stone aggregate 20 mm nominal size) necessary excavation foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick finished with a floating coat of neat cement complete as per standard design :			Each	
1.4.1	With F.P.S. bricks	2 Nos			
1.5	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work)				
1.5.1	50mm nominal bore	2 Nos		Each	
2	<b><u>NITT Local items</u></b>				
2.1	Cost and supply of 6.00 HP Submersible pump set (TEXMO / Equivalent /with ISI Make) with a duty of 125LPMX125m head including conveyance of pump set to work spot.	2 Nos		Each	
2.2	Cost and supply of 3 Phase Panel Board - Star Delta with Two Level Guard and Auto start etc., complete	2 Nos		Each	
2.3	Cost and supply of 50mm dia UPVC pipes (AVONPLAST or Equivalent /with ISI Make) for borewell with necessary fittings etc., complete	216 Mtr		Mtr	

**Name of work: Laying of pipe line & erection of pump set in to the newly drilled bore well No.4 & 5 located near water management farm**

S.No.	DESCRIPTION OF ITEM	QTY	RATE	UNIT	AMOUNT
2.4	Providing and fixing G.I. pipes complete with G.I. fittings including labour charges for cutting & threading etc complete as directed by the Engineer incharge: <b>External work/ 100 mm dia. nominal bore</b>	50 Mtr		Mtr	
2.5	Providing and fixing of CI Adopter of approved quality including cost & conveyance to the site of work <b>50mm dia nominal bore</b>	2 set		set	
2.6	Providing and fixing of MS Bore clamp of approved quality including cost & conveyance to the site of work <b>50mm dia nominal bore</b>	2 set		set	
2.7	Providing and fixing of MS Bore plate of approved quality including cost & conveyance to the site of work <b>50mm dia nominal bore</b>	2 Nos		Nos	
2.8	Earth work excavation & depositing on bank with initial lead of 10m and lift of 2min all classes by soil in narrow trenches for pipe laying work including cost & conveyance of PVC rigid pipes (True Bore / Jain pipes) and specials and lowering in to trenches and laying to proper grade and alignment & jointing with PVC couplers with jointing materials and testing to the required pressure including conveyance of water for filling during testing and refilling the trenches with excavated earth on completion of work For depth up to 2m/External work : <b>110mm OD PVC 6KSC Pipes</b>	770 Mtr		Mtr	

**Name of work: Laying of pipe line & erection of pump set in to the newly drilled bore well No.4 & 5 located near water management farm**

<b>S.No.</b>	<b>DESCRIPTION OF ITEM</b>	<b>QTY</b>	<b>RATE</b>	<b>UNIT</b>	<b>AMOUNT</b>
2.9	Earth work excavation & depositing on bank with initial lead of 10m and lift of 2min all classes by soil in narrow trenches for pipe laying work including cost & conveyance of PVC rigid pipes (True Bore / Jain pipes) and specials and lowering in to trenches and laying to proper grade and alignment & jointing with PVC couplers with jointing materials and testing to the required pressure including conveyance of water for filling during testing and refilling the trenches with excavated earth on completion of work For depth up to 2m/External work : <b>90mm OD PVC 6KSC Pipes</b>	155 Mtr		Mtr	
2.10	Cost and supply of 4.00 sq.mm PVC insulated and sheathed 3core flat type copper cable conforming to I.S.694/1990	216 Mtr		Mtr	

**Contractor**

**Sd  
Estate Officer**

## SCHEDULE OF QUANTITIES

State : Tami Nadu  
Branch - Civil

EMD  
QMS

NIT, Trichy

REF : NITT/EO/EMD/CIVIL WORKS /En.No. 23(26)/2012-13,dt.17.09.2012, Due on 01.10.2012

Name of Work : Kids Park near 1st street

S.No.	DESCRIPTION OF ITEM	QTY	RATE	UNIT	AMOUNT
<b>SH 1 EARTH WORK</b>					
1.1	Earth work in excavation by mechanical means (Hydraulic excavator )/ manual means over areas (exceeding 30cm in depth. 1.5m in width as well as 10 sum on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be levelled and neatly dressed.				
1.1.1	All kinds of soil	47 cum		cum	
1.2	Supplying and filling in plinth with river sand under floors including, watering, ramming consolidating and dressing complete.	66 cum		cum	
<b>SH 2 CONCRETE WORK</b>					
2.1	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level :				
2.1.1	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	0.2 cum		cum	
2.1.2	1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size)	36 cum		cum	

**Name of Work : Kids Park near 1st street**

<b>S.No.</b>	<b>DESCRIPTION OF ITEM</b>	<b>QTY</b>	<b>RATE</b>	<b>UNIT</b>	<b>AMOUNT</b>
2.2	Centring and shuttering including strutting, propping etc. and removal of form work for :				
2.2.1	Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses plinth and string courses fillets etc.	35 sqm		sqm	
2.3	Providing and laying cement concrete in kerbs, steps and the like at or near ground level excluding the cost of centring, shuttering and finishing.				
2.3.1	1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	30 cum		cum	
<b>SH 3 REINFORCED CEMENT CONCRETE</b>					
3.1	Providing, hoisting and fixing upto floor five level precast reinforced cement concrete in shelves including setting in cement mortar 1:3 (1 cement : 3 coarse sand), cost of required centring, shuttering and finishing with neat cement punning on exposed surfaces but excluding the cost of reinforcement with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size).	1 cum		cum	
3.2	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.				
3.2.1	Cold twisted bars	55 kg		kg	

**Name of Work : Kids Park near 1st street**

<b>S.No.</b>	<b>DESCRIPTION OF ITEM</b>	<b>QTY</b>	<b>RATE</b>	<b>UNIT</b>	<b>AMOUNT</b>
4.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 3.5 in superstructure above plinth level upto floor V level in all shapes and sizes in:				
4.1.1	Cement mortar 1:6 (1 cement : 6 coarse sand)	2 cum		cum	
<b>SH 5 STEEL WORK</b>					
5.1	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.				
5.1.1	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	150 kg		kg	
<b>SH 6 FINISHING</b>					
6.1	12 mm cement plaster of mix :				
6.1.1	1:6 (1 cement : 6 fine sand)	64 sqm		sqm	
6.2	Finishing walls with Acrylic Smooth exterior paint of required shade :				
6.2.1	New work (Two or more coat applied @ 1.67 ltr/10 sum over and including base coat of water proofing cement paint applied @ 2.20 kg/ 10 sum).	64 sqm		sqm	
6.3	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				
6.3.1	Two or more coats on new work	130 sqm		sqm	

**Name of Work : Kids Park near 1st street**

<b>S.No.</b>	<b>DESCRIPTION OF ITEM</b>	<b>QTY</b>	<b>RATE</b>	<b>UNIT</b>	<b>AMOUNT</b>
<b>SH 7 ROAD WORK</b>					
7.1	Supplying at site :				
7.1.1	R.C.C. Standards post/ struts/rails/ pales of mix 1:1½ :3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 12.5 mm nominal size) with wooden plugs or 6mm bar nibs wherever required as per direction of Engineer-in-charge (cost of earth works in excavation, concrete works in foundation to be paid separately).	1 cum		cum	
7.2	Fencing with R.C.C. post placed at required distance, embedded in cement concrete blocks, every 15th post, last but one end post and corner post shall be strutted on both sides and end post one side only, provided with horizontal lines and two diagonals of barbed wire 9.38 kg per 100 metres (min) between the two posts fitted and fixed with G.I. staples on wooden plugs or G.I. binding wire tied to 6 mm bar nibs fixed while casting the post (cost of R.C.C. posts, struts, earth work and concrete to be paid for separately) :- Payment to be made per metre cost of total length of barbed wire used.				
7.2.1	With G.I. barbed wire	920 metre		metre	
7.3	Providing and laying 60mm thick factory made cement concrete interlocking paver block of M -30 grade made by block making machine with strong vibratory compaction and of approved size and design/ shape laid in required colour and pattern over and including 50mm thick compacted bed of course sand, filling the joints with coarse sand etc. all complete as per the direction of Engineer-in-charge.	325 sqm		sqm	



## Name of Work : Kids Park near 1st street

### SH 8 WATER SUPPLY

8.1	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. External work :		
8.1.1	20 mm dia. nominal bore	3 metre	metre
8.1.2	25 mm dia. nominal bore	130 metre	metre
8.2	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :		
8.2.1	25 mm nominal bore	4 Nos	each
8.3	Providing and fixing brass ferrule with C.I. mouth cover including boring and tapping the main :		
8.3.1	20 mm nominal bore	1 Nos	each
8.4	Constructing masonry Chamber 30x30x50 cm, inside with 75 class designation brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for stop cock, with C. I. surface box 100x100 x75 mm (inside) with hinged cover fixed in cement concrete slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) necessary excavation foundation concrete 1:5:10 ( 1 cement : 5 fine sand:10 graded stone aggregate 40mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12mm thick finished with a floating coat of neat cement complete as per standard design :		
8.4.1	With F.P.S. bricks	4 Nos	each

**Name of Work : Kids Park near 1st street**

<b>S.No.</b>	<b>DESCRIPTION OF ITEM</b>	<b>QTY</b>	<b>RATE</b>	<b>UNIT</b>	<b>AMOUNT</b>
8.5	Painting G.I. pipes and fittings with synthetic enamel white paint over a ready mixed priming coat, both of approved quality for new work :				
8.5.1	20 mm diameter pipe.	3 metre		metre	
8.6	Painting G.I. pipes and fittings with two coats of anti-corrosive bitumastic paint of approved quality :				
8.6.1	25 mm diameter pipe	130 metre		metre	
8.7	Providing and filling sand of grading zone V or coarser grade all-round the G.I. pipes in external work.				
8.7.1	25 mm diameter pipe	130 metre		metre	
8.8	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work)				
8.8.1	25 mm nominal bore	4 Nos		each	
8.9	Providing and fixing PTMT bib cock of approved quality and colour.				
8.9.1	15mm nominal bore, 86 mm long. Weighing not less than 88 gms.	4 Nos		each	

**Contractor**

**Sd**  
**Estate Officer**

## SCHEDULE OF QUANTITIES

State : Tami Nadu  
Branch - Civil

EMD  
QMS

NIT, Trichy

REF : NITT/EO/EMD/CIVIL WORKS /En.No. 24(27)/2012-13,dt..17.09.2012, Due on 01.10.2012

Name of Work : Provding Roofing arrangment in OPAL Hostel Road

S.No.	DESCRIPTION OF ITEM	QTY	RATE	UNIT	AMOUNT
<b>SH 1 EARTH WORK</b>					
1.1	Earth work in excavation by mechanical means (Hydraulic excavator )/ manual means over areas (exceeding 30cm in depth. 1.5m in width as well as 10 sum on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be levelled and neatly dressed.				
1.1.1	All kinds of soil	8.5 cum		cum	
1.2	Supplying and filling in plinth with river sand under floors including, watering, ramming consolidating and dressing complete.	2 cum		cum	
<b>SH 2 CONCRETE WORK</b>					
2.1	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level :				
2.1.1	1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size)	2 cum		cum	

**Name of Work : Provding Roofing arrangment in OPAL Hostel Road**

<b>S.No.</b>	<b>DESCRIPTION OF ITEM</b>	<b>QTY</b>	<b>RATE</b>	<b>UNIT</b>	<b>AMOUNT</b>
2.2	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets etc. upto floor five level, excluding the cost of centring, shuttering and finishing :				
2.2.1	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size).	6.2 cum		cum	
2.3	Centring and shuttering including strutting, propping etc. and removal of form work for :				
2.3.1	Columns, piers, abutments, pillars, posts and struts.	85 Sqm		sqm	
<b>SH 3 STEEL WORK</b>					
3.1	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.				
3.1.1	Hot finished welded type tubes	3330 kg		kg	

**Name of Work : Provding Roofing arrangment in OPAL Hostel Road**

<b>S.No.</b>	<b>DESCRIPTION OF ITEM</b>	<b>QTY</b>	<b>RATE</b>	<b>UNIT</b>	<b>AMOUNT</b>
<b>SH 4 ROOFING</b>					
4.1	Supply and fixing of precoated galvanized iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm +/- 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.	930 sqm		sqm	
<b>SH 5 FINISHING</b>					
5.1	12 mm cement plaster of mix :				
5.1.1	1:4 (1 cement : 4 fine sand)	60 sqm		sqm	
5.2	Finishing walls with Acrylic Smooth exterior paint of required shade :				
5.2.1	New work (Two or more coat applied @ 1.67 ltr/10 sum over and including base coat of water proofing cement paint applied @ 2.20 kg/ 10 sum).	60 sqm		sqm	

**Name of Work : Provding Roofing arrangment in OPAL Hostel Road**

<b>S.No.</b>	<b>DESCRIPTION OF ITEM</b>	<b>QTY</b>	<b>RATE</b>	<b>UNIT</b>	<b>AMOUNT</b>
5.3	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				
5.3.1	Two or more coats on new work	310 sqm		sqm	

**Contractor**

**Sd**  
**Estate Officer**

## SCHEDULE OF QUANTITIES

State : Tami Nadu  
Branch - Civil

EMD  
QMS

NIT, Trichy

REF : NITT/EO/EMD/CIVIL WORKS /En.No. 25(28)/2012-13,dt..17.09.2012, Due on 01.10.2012

Name of Work :Replacing the exisiting damaged sewer line for 1 -12 staff quarters in 17th street

S.No.	DESCRIPTION OF ITEM	QTY	RATE	UNIT	AMOUNT
<b>SH 1 Earth work</b>					
1.1	Earth work in excavation by mechanical means (Hydraulic excavator )/ manual means over areas (exceeding 30cm in depth. 1.5m in width as well as 10 sum on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be levelled and neatly dressed.				
1.1.1	All kinds of soil	30	cum	cum	
1.2	Supplying and filling in plith with river sand under floors including watering, ramming consolidating and dressing complete	3	cum	cum	
<b>2 SH 2 CONCRETE WORK</b>					
2.1	providing and laying in position cement concrete of specified garde excluding the cost of centring and shutteering - All work upto plinth level				
2.1.1	1 :5 :10 (1 Cement ; 5 Fine sand : 10 Graded stone aggregate 40 mm nominal size)	3	cum	cum	

**Name of Work :Replacing the exisiting damaged sewer line for 1 -12 staff quarters in 17th street**

S.No.	DESCRIPTION OF ITEM	QTY	RATE	UNIT	AMOUNT
<b>3. FLOORING</b>					
3.1	Cement concrete flooring 1:2:4 finsihed with a floating coat of neat cement including cement slurry, but bexcluding the cost of nosing steps etc complete.				
3.1.1	40 mm thick with 20 mm nominal size stone aggregate	30	Sqm	Sqm	
<b>SH 4 DISMANTLING AND DEMOLISHING</b>					
4.1	Demolishing the RCC work manually/ my mexcahnical means including stacking of steel bars and disposal of unserviceable material within 50 m leads as per the direction of Engineer's In Charge	19	cum	cum	
<b>SH5 DRAINAGE</b>					
5.1	Extra depth for manghole				
5.1.1	<b>Size 90 x 80</b>				
5.1.1.1	With FPS bricks class designation 35	5	m	m	
5.2	Providing and fixing square-mouth S.W. gully trap grade 'A" complete with C.I. 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 :				
5.2.1	100x100 mm size P type				
5.2.1.1	With FBS bricks of class designation -35	25	No's	No's	
5.3	Providing and fixing in position precast R.C.C. manhole cover and frame of required shape and approved quality				



**Name of Work :Replacing the exisiting damaged sewer line for 1 -12 staff quarters in 17th street**

S.No.	DESCRIPTION OF ITEM	QTY	RATE	UNIT	AMOUNT
5.3.1	<b>L D- 2.5</b>				
5.3.1.1	Rectangular shape 600x450mm internal dimensions	19	No's	No's	
<b>SH 6 NIT Local Items</b>					
6	Constructing brick masonry manhole in cement mortar 1:4 ( 1 cement : 4 coarse sand ) 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 40mm nominal size) inside plastering 12mm 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 20mm nominal size) finished with a floating coat of neat cement complete as per standard design :				
6.1.1	90 x 80 x 45 cm deep				
6.1.1.1	With FPS bricks class designation 35	19	No's	No's	
6.2	Providing 110 mm dia PVC pipe( 6kg/cm2) of approved quality including trenching, refilling etc complete	150	Meter	Meter	
6.3	Providing 210 mm dia PVC pipe( 6kg/cm2) of approved quality including trenching, refilling etc complete	200	Meter	Meter	

**Name of Work :Replacing the existing damaged sewer line for 1 -12 staff quarters in 17th street**

<b>S.No.</b>	<b>DESCRIPTION OF ITEM</b>	<b>QTY</b>	<b>RATE</b>	<b>UNIT</b>	<b>AMOUNT</b>
6.4	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round PVC. pipes including bed concrete as per standard design:				
6.4.1	110 mm diameter PVC pipe	150		Meter	
6.4.2	210 mm diameter PVC pipe	200		Meter	
6.5	Providing and fixing on Wall fce PVC accessories for PVC pipes confirming to IS :13592 Type A nincluding joiting with seal ring confirming to IS 5382 leaving thermal expansion - 160 x 110 mm reducer	25	No's		No's
6.6	Providing and fixing on Wall fce PVC accessories for PVC pipes confirming to IS :13592 Type A nincluding joiting with seal ring confirming to IS 5382 leaving thermal expansion - 110 mm Door Elbow	25	No's		No's
6.7	Providing and fixing on Wall fce PVC accessories for PVC pipes confirming to IS :13592 Type A nincluding joiting with seal ring confirming to IS 5382 leaving thermal expansion - 110 mm Elbow	13	No's		No's
6.8	Providing and fixing on Wall fce PVC accessories for PVC pipes confirming to IS :13592 Type A nincluding joiting with seal ring confirming to IS 5382 leaving thermal expansion - 75 mm Door Elbow	13	No's		No's

**Name of Work :Replacing the existing damaged sewer line for 1 -12 staff quarters in 17th street**

<b>S.No.</b>	<b>DESCRIPTION OF ITEM</b>	<b>QTY</b>	<b>RATE</b>	<b>UNIT</b>	<b>AMOUNT</b>
6.9	Providing and fixing on Wall fce PVC accessories for PVC pipes confirming to IS :13592 Type A nincluding joiting with seal ring confirming to IS 5382 leaving thermal expansion - 75 mm Elbow	13	No's	No's	

**Contractor**

**Sd  
Estate Officer**

## SCHEDULE OF QUANTITIES

State : Tami Nadu  
Branch - Civil

EMD  
QMS

NIT, Trichy

REF : NITT/EO/EMD/CIVIL WORKS /En.No. 26(29)/2012-13,dt..17.09.2012, Due on 01.10.2012

Name of Work :Replacing the exisiting damaged sewer line for 1 -18 staff quarters in 18th street

S.No.	DESCRIPTION OF ITEM	QTY	RATE	UNIT	AMOUNT
<b>SH 1 EARTH WORK</b>					
1.1	Earth work in excavation by mechanical means (Hydraulic excavator )/ manual means over areas (exceeding 30cm in depth. 1.5m in width as well as 10 sum on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be levelled and neatly dressed.				
1.1.1	All kinds of soil	15 cum		cum	
<b>SH 2 DRAINAGE</b>					
2.1	Providing and fixing square-mouth S.W. gully trap grade 'A" complete with C.I. 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 :				
2.1.1	100x100 mm size P type				
2.1.1.1	With F.P.S. Bricks class designation 35				
2.2	Providing and fixing in position precast R.C.C. manhole cover and frame of required shape and approved quality	20 Nos		Nos	

**Name of Work :Replacing the existing damaged sewer line for 1 -18 staff quarters in 18th street**

<b>S.No.</b>	<b>DESCRIPTION OF ITEM</b>	<b>QTY</b>	<b>RATE</b>	<b>UNIT</b>	<b>AMOUNT</b>
2.2.1	L D- 2.5				
2.2.1.1	Rectangular shape 600x450mm internal dimensions	13 Nos		Nos	
<b>SH 3 NITT LOCAL ITEMS</b>					
3.1	Constructing brick masonry manhole in cement mortar 1:4 ( 1 cement : 4 coarse sand ) 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 40mm nominal size) inside plastering 12mm 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 20mm nominal size) finished with a floating coat of neat cement complete as per standard design : 90 x 80 x 45 cm deep -With FPS bricks class designation 35	13 Nos		Nos	
3.2	Providing and laying cement concrete 1:5;10 ( 1 Cement : 5 Coarse sand :10 graded stone aggregate 40 mm nominal size) all around the PVC Pipes including bed concrete as per standard design - 110 mm dia PVC Pipe	250 Meter		Meter	
3.3	Providing and laying cement concrete 1:5;10 ( 1 Cement : 5 Coarse sand :10 graded stone aggregate 40 mm nominal size) all around the PVC Pipes including bed concrete as per standard design - 160 mm dia PVC Pipe	150 Meter		Meter	

**Name of Work :Replacing the existing damaged sewer line for 1 -18 staff quarters in 18th street**

<b>S.No.</b>	<b>DESCRIPTION OF ITEM</b>	<b>QTY</b>	<b>RATE</b>	<b>UNIT</b>	<b>AMOUNT</b>
3.4	Providing and fixing wall face PVC accessories or PVC moulded fittings / accessories for PVC pipes conforming to IS:13592 Type A including jointing with seal ring conforming to IS:5382 leaving 10 mm gap for thermal expansion - 160mm x 110 mm Dia PVC Reducer	20 Nos		Nos	
3.5	Providing and fixing wall face PVC accessories or PVC moulded fittings / accessories for PVC pipes conforming to IS:13592 Type A including jointing with seal ring conforming to IS:5382 leaving 10 mm gap for thermal expansion - 75 mm Dia PVC Door Elbow	20 Nos		Nos	
3.6	Providing and fixing Polyvinyl Chloride (PVC) pipes, having thermal stability for hot & cold water supply including all PVC plain & brass threaded fittings i/c fixing with clamps at 1.00 m spacing. This included jointing of pipes & fittings with one step PVC solvent cement & teting of joints complete as per direction of Engineer in Charge. - External work - 75 mm Dia PVC Pipes	35 Meter		Meter	
3.7	Providing and fixing Polyvinyl Chloride (PVC) pipes, having thermal stability for hot & cold water supply including all PVC plain & brass threaded fittings i/c fixing with clamps at 1.00 m spacing. This included jointing of pipes & fittings with one step PVC solvent cement & teting of joints complete as per direction of Engineer in Charge. - External work - 110 mm Dia PVC Pipes	250 Meter		Meter	

**Name of Work :Replacing the existing damaged sewer line for 1 -18 staff quarters in 18th street**

<b>S.No.</b>	<b>DESCRIPTION OF ITEM</b>	<b>QTY</b>	<b>RATE</b>	<b>UNIT</b>	<b>AMOUNT</b>
3.8	Providing and fixing Polyvinyl Chloride (PVC) pipes, having thermal stability for hot & cold water supply including all PVC plain & brass threaded fittings i/c fixing with clamps at 1.00 m spacing. This included jointing of pipes & fittings with one step PVC solvent cement,trenching, refilling & teting of joints complete as per direction of Engineer in Charge. - External work - 160 mm Dia PVC Pipes	150 Meter		Meter	

**Contractor**

**Sd  
Estate Officer**