

Face Sheet

Sanctioned Estimate No.

Name of Division

Z. P. Division (South) Pune

Fund Head

Major Head

२१५५ अरुन मिशन

Minor Head

Service Head

Departmental Head

Estimate framed in the office of

Executive Engineer, Z. P. Division (South) Pune

for the probable expenditure that will be incurred in the work of

Construction of Toilet Block Unit At- parawadi, Tal-Baramati, Dist-Pune

Rs.

Administratively Approved No.

Dated

Technically Sanctioned No.

Dated

Estimate Prepared by

Engineer

Estimate Checked by

General Description

Recapitulation Sheet

Name of Work

Construction of Toilet Block Unit At- parawadi, Tal-Baramati, Dist-Pune  
Pune

SSR YEAR

2022-2023

Sub Work Name

Amount

1	Repair	
2	Testing Charges Estimate	248,095.20
3	Royalty Charges Estimate	4,830.00
		858.30

Total Amount

253,783.50

Round off

253,784.00

ADD ON WORK PORTION

GST Charges 18 % (On Work Portion)

44,657.00

Insurance 0.5 % (On Work Portion)

1,240.00

Grand Total

299,680.00

Round off

299,681.00

Rupees Two Lakh Ninty Nine Thousand Six Hundred And Eighty One Only

Junior Engineer

Z. P. Division (South) Pune

Deputy Engineer

Z. P. Division (South) Pune

Technically sanctioned for Rs. 299681/- Two lakh  
ninty nine thousand six hundred & eighty one only

And Registered Vide No. BMT/WKS/TS/ 78 12025

Date:- Dec. 2025

Deputy Engineer



## Abstract

Name of Work :

Construction of Toilet Block Unit At- parawadi, Tal-Baramati, Dist-Pune

SSR YEAR

2022-2023

Description

Quantity

Rate/Unit

Amount

## 1 . NAME OF SUB WORK -- Repair

ITEM NO. : 1 Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, including removing the excavated material up to a distance of 50 m. beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift upto 1.5 m.) By Mechanical Means....(INo21-02 , PgNo 153) ( STATE SSR.) Item Spec: (Bd.A.1 Page No. 259)

5.184

207.00/Cu.Mt.

1,073.10

ITEM NO. : 2 Excavation for foundation in hard murum including removing the excavated material upto distance of 50 metres beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift upto 1.50 m) By Mechanical Mean....(INo21-06 , PgNo 153) ( STATE SSR ) Item Spec: (Bd.A.2 Page No. 259)

2.592

227.00/Cu.Mt.

588.40

ITEM NO. : 3 Providing and laying Cast in situ/Ready Mix cement concrete in M-10 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including bailing out water, Steel centering, formwork, laying/pumping, compacting, roughening them if special finish is to be provided; finishing if required and curing complete, with fully automatic micro processor based PLC WITHOUT SCADA enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate ( Crushed sand VSI Grade finely washed )....(INo24-01 NS, PgNo 175) ( STATE SSR ) item Spec: (Bd. E. 1 Page No. 287)

1.522

6156.50/Cu.Mt.

9,370.20

RA NO. : 1

ITEM NO. : 4 Providing and laying in situ /Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, Steel centering formwork, laying/pumping cover blocks, compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel) etc. complete, with fully automatic micro processor based PLC WITHOUT SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade finely washed )....(INo25-11 NS, PgNo 178) ( STATE SSR ) Item Spec: (Bd.F.3 Page No. 298 and B.7, Page No.38)

1.458

7424.30/Cu.Mt.

10,824.65

RA NO. : 2

ITEM NO. : 5 Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. columns as per detailed designs and drawing or as directed including steel centering, formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or

0.972

14103.30/Cu.Mt.

13,708.40



Description	Quantity	Rate/Unit	Amount
roughening if special finish is to be provided and curing etc. complete, (Excluding reinforcement and structural steel).with fully automatic micro processor based PLC WITHOUT SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade finely washed )....(INo25-31 NS, PgNo 179) ( STATE SSR ) Item Spec: (Bd.F.5 Page No. 300 and B.7, Page.No. 38) RA NO. : 3			
ITEM NO. : 6 Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including steel centering, formwork, cover blocks, laying/pumping, compaction and roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement and structural steel). with fully automatic micro processor based PLC WITHOUT SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade finely washed )....(INo25-50 NS, PgNo 181) ( STATE SSR ) Item Spec: (Bd.F.6 Page No. 300 and B.7, Page No.38) RA NO. : 4	1.101	12589.30/Cu.Mt.	13,860.80
ITEM NO. : 7 Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap/ granite / quartzite/ gneiss metal for R.C.C. slabs and landings as per detailed designs and drawings including steel centering, formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete,(Excluding reinforcement and structural steel).with fully automatic micro processor based PLC WITHOUT SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade finely washed )....(INo25-70 NS, PgNo 182) ( STATE SSR ) Item Spec: (Bd.F.8 Page No. 302 and B.7, Page No.38) RA NO. : 5	0.380	14263.30/Cu.Mt.	5,420.05
ITEM NO. : 8 Providing and fixing in position TMT - FE - 500 bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches etc. as per detailed designs, drawings and schedules. including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete.....(INo26-33, PgNo 188) ( STATE SSR ) Item Spec: (Bd.F.17, Page No. 306) RA NO. : 6	0.176	89897.05/M.T.	15,821.90
ITEM NO. : 9 Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in foundations and plinth of inner walls/ in plinth external walls including bailing out water manually , striking joints on unexposed faces, raking out joints on exposed faces and watering etc. Complete.....(INo27-01, PgNo 197) ( STATE SSR ) Item Spec: (Bd.G. 1 Page No. 313) RA NO. : 7	0.531	8162.15/Cu.Ml.	4,334.10

Description	Quantity	Rate/Unit	Amount
ITEM NO. : 10 Filling in plinth and floors with approved excavated material in 15cm. to 20cm. layers including watering and compacting etc. complete.....(INo21-36 , PgNo 157) ( STATE SSR ) Item Spec: (Bd.A.10 Page No. 262)	3.528	120.00/Cu.Mt.	423.35
ITEM NO. : 11 Filling in plinth and floors with contractors material/brought from outside and approved by Engineer incharge in layers of 15cm. to 20cm. including watering and compaction etc. complete.....(INo21-37, PgNo 157) ( STATE SSR ) Item Spec: (Bd.A.11 Page No. 263) RA NO. : 8	3.654	785.50/Cu.Mt.	2,870.20
ITEM NO. : 12 Providing second class Burnt-Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints, watering and scaffolding etc. Complete.....(INo27-05, PgNo 197) ( STATE SSR ) Item Spec: (Bd.G.5 Page No. 315) RA NO. : 9	5.546	8401.15/Cu.Mt.	46,592.80
ITEM NO. : 13 Providing internal cement plaster 12mm thick in single coat in cement mortar 1:5 without neeru finish to concrete or brick surfaces, in all positions including scaffolding and curing etc. complete.....(INo32-03 , PgNo 209) ( STATE SSR ) Item Spec: (Bd.L.2 Page No. 368)	62.370	271.00/Sq.Mt.	16,902.30
ITEM NO. : 14 Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base coat of 15 mm thick in cement mortar 1:4 using waterproofing compound at 1 kg per cement bag curing the same for not less than 2 days and keeping the surface of the base coat rough to receive the sand faced treatment 6 to 8 mm thick in cement mortar 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding etc.complete.....(INo32-11, PgNo 209) ( STATE SSR ) Item Spec: (Bd.L.7 Page No. 369) RA NO. : 10	61.290	651.20/Sq.Mt.	39,912.05
ITEM NO. : 15 Providing and laying ceramic tiles having size 30 cm x 30 cm conforming I.S. 15622/2006 (group D II-A) and 7 to 8 mm thick for flooring in required position laid on a bed of 1:4 cement mortar including cement float, filling joint with white/colour cement slurry cleaning curing etc. Complete.....(INo33-24, PgNo 215) ( STATE SSR ) Item Spec: (Bd.M.12 Page No. 385.) RA NO. : 11	2.160	1190.30/Sq.Mt.	2,571.05
ITEM NO. : 16 Providing and laying ceramic tiles having size 30 cm. X 45 cm. For dado and skirting in required position with readymade adhesive mortar of approved quality on plaster of 1:2 cement mortar including joint filling with white/ colour cement slurry cleaning curing etc. Complete.....(INo33-26, PgNo 215) ( STATE SSR ) Item Spec: (Bd.M.13 Page No. 386.) RA NO. : 12	7.560	1285.75/Sq.Mt.	9,720.30

Description	Quantity	Rate/Unit	Amount
ITEM NO. : 17 Providing 25 mm to 30 mm thick partition of polished black kadappa stone slab of approved quality including giving required size and shape etc. Fixing in cement mortar 1:3 curing and cement etc. complete. b) Both side polish.....(INo33-33 , PgNo 216) ( STATE SSR ) Item Spec: (Bd.M.35 B/P No.393)	2.700	1159.00/Sq.Mt.	3,129.30
ITEM NO. : 18 Providing and fixing frame with / without ventilator of size as specified with Country non teak wood for doors and windows including chamfering, rounding, rebating, iron holdfast of size 300mm x 40mm x 5mm with oil painting, etc. complete.....(INo39-02 , PgNo 245) ( STATE SSR ) Item Spec: (As directed by Engineer in charge.)	0.067	107112.00/Cu.Mt.	7,176.50
ITEM NO. : 19 Providing and fixing fiber glass reinforced polyster door shutter 30 mm thick as per IS 14856 (2000) (Reaffirmed 2006) without ventilator including chromium plated fixtures and fastening with chromium plated handles on both sides, etc complete.....(INo39-58 , PgNo 257) ( STATE SSR ) Item Spec: (As directed by engineer-in-charge.)	3.150	3274.00/Sq.Mt.	10,313.10
ITEM NO. : 20 Providing and fixing 8cm C.I. Nahani Trap including C.I. grating bend and piece of C.I. pipe upto the outside face of the wall complete.....(INo41-79 , PgNo 273) ( STATE SSR ) Item Spec: (Bd.V.32 Page No.567)	2.000	811.00/No.	1,622.00
ITEM NO. : 21 Providing and fixing Orissa type white glazed earthenware 575 mm water closet pan including S trap with earthenware foot rests, cast iron soil and vent pipe upto outside face of the wall 1:2:4 brick bat lime concrete bedding without flushing tank and its accessories etc. complete.....(INo42-30 , PgNo 277) ( STATE SSR ) Item Spec: (As directed by Engineer in charge.)	2.000	4007.00/No.	8,014.00
ITEM NO. : 22 Providing and fixing C.P. BIB cock with wall flange jaquar or equivalent make continental (CAT.NO. CON-047) including necessary sockets/ union nut etc. complete.....(INo42-83 , PgNo 283) ( STATE SSR ) Item Spec: (As directed by Engineer in charge)	2.000	1108.00/No.	2,216.00
ITEM NO. : 23 Providing and fixing H.D.P container Syntex or alike one piece moulded water tank made out of high density polythylar and built corrugated inclusive of delivery up to destination hoisting and fixing of accessories such as inlet,outlet overflow pipe inclusive of all tanks capacity between 200 to 1000 liters.....(INo42-53 , PgNo 280) ( STATE SSR ) Item Spec: (As directed by engineer-in-charge.)	300.000	14.00/Lt.	4,200.00

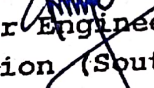
Description	Quantity	Rate/Unit	Amount
ITEM NO. : 24 Providing, laying and fixing P.V.C. pipe of 20mm dia. with fittings such as bends, tees, reducers, clamps, etc. Including necessary excavation, trench filling etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete.....(INo42-22 , PgNo 276) ( STATE SSR ) Item Spec: (As directed by Engineer in charge.)	5.000	128.00/R.Mt.	630.00
ITEM NO. : 25 Providing and applying two coats of water proof cement paint of approved manufacture and of approved colour to the plastered surfaces including scaffolding if necessary, cleaning and preparing the surface, watering for two days etc. complete.....(INo35-13 , PgNo 224) ( STATE SSR ) Item Spec: (Bd.0.8 Page No. 406)	61.290	79.00/Sq.Mt.	4,841.90
ITEM NO. : 26 Providing & applying washable oil-bound distemper of approved colour and shade to old & new surfaces in one coat including scaffolding, preparing the surfaces. (excluding the primer coat.)etc. complete.....(INo36-10 , PgNo 227) ( STATE SSR ) Item Spec: (Bd. P.5 Page No. 413)	62.370	32.00/Sq.Mt.	1,995.85
ITEM NO. : 27 Providing and fixing board displaying information, such as 'Name of work, Tender cost, Name of Contractor, Work completion and liability period etc', having rectangular shape of 1.20m x 0.90m size made out 18 gauge (1.25mm) thick mild steel sheet painted with one coat of Zinc chromate stoving primer and two coats of enamel paint on front side and grey stove enamel on back side and border / messages / symbols etc. with approved colour shade paint complete, on M.S.angle of size 35 x 35 x 3 mm frame with properly cross braced M.S. angles of size 35mmx35mmx3mm duly painted including Two M.S. angle iron posts of size 65 mm x 65 mm x 6. mm, 3.65 m long painted with alternate black and white bands of 25 cm width including all fixtures etc.and fixing the boards in 1:4:8 concrete block of size 60 cm x 60 cm x 75 cm including, excavation, refilling, transportation, and labour etc complete. Spec. No. As directed by Engineer in Charge.....(INo6-36 , PgNo 60) ( STATE SSR ) Item Spec: (MORTH 801)	1.000	9963.00/No.	9,963.00
<b>TOTAL AMOUNT FOR SUB WORK NO. 1</b>			<b>248,095.30</b>
<b>Rupees Two Lakh Forty Eight Thousand Ninty Five And Paise Thirty Only</b>			
<b>2 . NAME OF SUB WORK -- Testing Charges Estimate</b>			
ITEM NO. : 1 CONCRETE Compressive Strength OF C.C. Cube(Set of 3 cubes).....(INo19-VQC , PgNo 584) ( STATE SSR ) Item Spec: (As per Standard.Specification )	1.000	690.00/1 Test	690.00

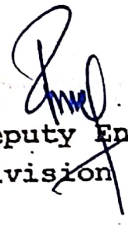
Description	Quantity	Rate/Unit	Amount
ITEM NO. : 2 MORTOR Compressive Strength.( Set of 3 Cubes)....(INo27-VQC , PgNo 585) ( STATE SSR ) Item Spec: (As per Standard Specification )	1.000	690.00/1 Mix Design	690.00
ITEM NO. : 3 BRICKS Water Absorption (Set of 5 Bricks), Compressive Strength( Set of 5 Bricks), Efflorescence (Set of 5 Bricks).....(INo13-VQC , PgNo 584) ( STATE SSR ) Item Spec: (As per Standard Specification )	1.000	2175.00/1 Test	2,175.00
ITEM NO. : 4 STEEL BAR TESTING Upto 16 mm (Set of 3 Bars)....(INo72-VQC , PgNo 586) ( STATE SSR ) Item Spec: (As per Standard Specification )	1.000	1275.00/1 Test	1,275.00
<b>TOTAL AMOUNT FOR SUB WORK NO. 2</b>			<b>4,830.00</b>
<b>Rupees Four Thousand Eight Hundred And Thirty Only</b>			

**3 . NAME OF SUB WORK -- Royalty Charges Estimate**

ITEM NO. : 1 Royalty Charges for HARD MURUM. Rate = Royalty + surcharge (2%) (211.95 + 4.23 = 216.18 Per Cum)....(INo1-A , PgNo 1) ( STATE SSR ) Item Spec: (As Directed By Engineer Incharge)	3.970	216.20/Cu.Mt.	858.30
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**TOTAL AMOUNT FOR SUB WORK NO. 3**  
**Rupees Eight Hundred And Fifty Eight And Paise Thirty Only**

  
Junior Engineer  
Z. P. Division (South) Pune

  
Deputy Engineer  
Z. P. Division (South) Pune

Measurement Sheet

Construction of Toilet Block Unit At- parawadi, Tal-Baramati, Dist-Pune

Name of Work

Item No. & Description

Measurement  
No. L. B. D.

SSR YEAR 2022-2023  
Quantity

1. NAME OF SUB WORK -- Repair

ITEM NO. : 1 Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, including removing the excavated material up to a distance of 50 m. beyond the building area and stacking and spread..... (INo21-02, PgNo 153) ( STATE DSR )

Toilet

6\*1.20\*1.20\*0.60

5.184

Total Quantity

5.184 Cu.Mt.

ITEM NO. : 2 Excavation for foundation in hard murum including removing the excavated material upto distance of 50 metres beyond the building area and stacking and spreading as directed, dewatering, preparing the ..... (INo21-06, PgNo 153) ( STATE DSR )

6\*1.20\*1.20\*0.30

2.592

Total Quantity

2.592 Cu.Mt.

ITEM NO. : 3 Providing and laying Cast in situ/Ready Mix cement concrete in M-10 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including bailing out water, Steel centering, formwork, laying/..... (INo24-01 NS, PgNo 175) ( STATE DSR )

6\*1.05\*1.05\*0.075

0.496

Flooring

2\*2.85\*2.40\*0.075

1.026

Total Quantity

1.522 Cu.Mt.

ITEM NO. : 4 Providing and laying in situ /Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. col..... (INo25-11 NS, PgNo 178) ( STATE DSR )

6\*0.90\*0.90\*0.30

1.458

Total Quantity

1.458 Cu.Mt.

ITEM NO. : 5 Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. columns as per detailed designs and drawing or as directed including steel center..... (INo25-31 NS, PgNo 179) ( STATE DSR )

6\*0.15\*0.30\*0.60

0.162

6\*0.15\*0.30\*3.00

0.810

Total Quantity

0.972 Cu.Mt.

ITEM NO. : 6 Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including s..... (INo25-50 NS, PgNo 181) ( STATE DSR )

Plinth Beam L/W	Measurement			Quantity
	No.	L.	B. D.	
	2*	1.20*	0.15*0.30	
	4*	2.85*	0.15*0.30	0.108
	3*	2.10*	0.15*0.30	0.513
	1*	1.95*	0.15*0.30	0.284
	2*	1.20*	0.15*0.30	0.088
				0.108
	Total Quantity			1.101 Cu.Mt.

ITEM NO. : 7 Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap/ granite / quartzite/ gneiss metal for R.C.C. slabs and landings as per detailed designs and drawings.including steel centering..... (INo25-70 NS, PgNo 182) ( STATE DSR )

1*	2.25*	1.35*	0.125	0.380
Total Quantity				0.380 Cu.Mt.

ITEM NO. : 8 Providing and fixing in position TMT - FE - 500 bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beam's columns, canopies, staircase, newels, chajjas, lintels ..... (INo26-33, PgNo 188) ( STATE DSR )

Equal to Quantity of 172/25 11 NS	1.458*	35/1000		0.051
Equal to Quantity of 173/25 31 NS	0.972 *	75/1000		0.073
Equal to Quantity of 176/25 70 NS	0.38*	75/1000		0.029
Equal to Quantity of 176/25 70 NS	0.38 *	60/1000		0.023
Total Quantity				0.176 M.T.

ITEM NO. : 9 Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in foundations and plinth of inner walls/ in plinth external walls including bailing out water manua..... (INo27-01, PgNo 197) ( STATE DSR )

4*	2.85*	0.15*	0.20	0.342
3*	2.10*	0.15*	0.20	0.189
Total Quantity				0.531 Cu.Mt.

ITEM NO. : 10 Filling in plinth and floors with approved excavated material in 15cm. to 20cm. layers including watering and compacting etc. complete..... (INo21-36, PgNo 157) ( STATE DSR )

Equal to Quantity of 148/21 06	3.528			3.528
Total Quantity				3.528 Cu.Mt.

ITEM NO. : 11 Filling in plinth and floors with contractors material/brought from outside and approved by Engineer incharge in layers of 15cm. to 20cm. including watering and compaction etc. complete..... (INo21-37, PgNo 157) ( STATE DSR )

Item No. & Description	Measurement			Quantity
	No.	L.	B. D.	
Equal to Quantity of 148/21 06	2	2.85	2.10*0.60	7.182
	-3.528			-3.528
	Total Quantity			3.654 Cu.Mt.

ITEM NO. : 12 Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints, watering and scaffolding etc. Comple..... (INo27-05, PgNo 197) ( STATE DSR )

	4	2.78	0.15*2.20	3.670
	2	2.25	0.15*2.20	1.485
	2	1.20	0.15*2.40	0.864
	2	0.90	0.15*2.40	0.648
Deduction Door	-2	0.75	0.15*2.10	-0.473
	-2	0.90	0.15*2.10	-0.567
V	-2	0.45	0.15*0.60	-0.081
Total Quantity			5.546 Cu.Mt.	

ITEM NO. : 13 Providing internal cement plaster 12mm thick in single coat in cement mortar 1:5 without neeru finish to concrete or brick surfaces, in all positions including scaffolding and curing etc. complete..... (INo32-03, PgNo 209) ( STATE DSR )

	2	2	2.85*2.40	27.360
	2	2	2.10*2.40	20.160
	2	2	0.90*2.40	8.640
	2	2	1.20*2.40	11.520
Celling	2	0.90	1.20	2.160
Deduction Door	-2	0.75	2.10	-3.150
Opening	-2	0.90	2.40	-4.320
Total Quantity			62.370 Sq.Mt.	

ITEM NO. : 14 Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base coat of 15 mm thick in cement mortar 1:4 using waterproofing compound at 1 kg per..... (INo32-11, PgNo 209) ( STATE DSR )

	2	5.70	3.00	34.200
	2	2.40	3.00	14.400
	2	2	0.90*2.40	8.640
	2	2	1.20*2.40	11.520

## Item No. &amp; Description

Item No. & Description	Measurement			Quantity
	No.	L.	B. D.	
Deduction Door	-2	0.75	2.10	-3.150
Opening	-2	0.90	2.40	-4.320
Total Quantity				61.290 Sq.Ml.

ITEM NO. : 15 Providing and laying ceramic tiles having size 30 cm x 30 cm conforming I.S.15622/2006 (group D II-A) and 7 to 8 mm thick for flooring in required position laid on a bed of 1:4 cement mortar including..... (INo33-24, PgNo 215) ( STATE DSR )

2	0.90	1.20	2.160
Total Quantity			2.160 Sq.Mt.

ITEM NO. : 16 Providing and laying ceramic tiles having size 30 cm. X 45 cm. For dado and skirting in required position with readymade adhesive mortar of approved quality on plaster of 1:2 cement mortar including ..... (INo33-26, PgNo 215) ( STATE DSR )

2	2	0.90	0.90	3.240
2	2	1.20	0.90	4.320
Total Quantity				7.560 Sq.Mt.

ITEM NO. : 17 Providing 25 mm to 30 mm thick partition of polished black kadappa stone slab of approved quality including giving required size and shape etc. Fixing in cement mortar 1:3 curing and cement etc. compl..... (INo33-33, PgNo 216) ( STATE DSR )

4	0.75	0.90	2.700
Total Quantity			2.700 Sq.Ml.

ITEM NO. : 18 Providing and fixing frame with / without ventilator of size as specified with Country non teak wood for doors and windows including chamfering, rounding, rebating, iron holdfast of size 300mm x 40mm ..... (INo39-02, PgNo 245) ( STATE DSR )

2	1.20	0.10	0.06	0.014	
2	2	2.20	0.10	0.06	0.053
Total Quantity				0.067 Cu.Mt.	

ITEM NO. : 19 Providing and fixing fiber glass reinforced polyester door shutter 30 mm thick as per IS 14856 (2000) (Reaffirmed 2006) without ventilator including chromium plated fixtures and fastening with chromium..... (INo39-58, PgNo 257) ( STATE DSR )

2	0.75	2.10	3.150
Total Quantity			3.150 Sq.Ml.

ITEM NO. : 20 Providing and fixing 8cm C.I. Nahani Trap including C.I. grating bend and piece of C.I. pipe upto the outside face of the wall complete..... (INo41-79, PgNo 273) ( STATE DSR )

Item No. & Description

Measurement  
No. L. B. D.

Quantity

2			2.000
Total Quantity			2.000 No.

ITEM NO. : 21 Providing and fixing Orissa type white glazed earthenware 575 mm water closet pan including S trap with earthenware foot rests, cast iron soil and vent pipe upto outside face of the wall 1:2:4 brick b..... (INo42-30, PgNo 277) ( STATE DSR )

2			2.000
Total Quantity			2.000 No.

ITEM NO. : 22 Providing and fixing C.P. BIB cock with wall flange jaquar or equivalent make continental (CAT.NO. CON-047) including necessary sockets/ union nut etc. complete..... (INo42-83, PgNo 283) ( STATE DSR )

2			2.000
Total Quantity			2.000 No.

ITEM NO. : 23 Providing and fixing H.D.P container Syntex or alike one piece moulded water tank made out of high density polythylar and built corrugated inclusive of delivery up to destination hoisting and fixing o..... (INo42-53, PgNo 280) ( STATE DSR )

300			300.000
Total Quantity			300.000 Lt.

ITEM NO. : 24 Providing, laying and fixing P.V.C. pipe of 20mm dia. with fittings such as bends, tees, reducers, clamps, etc. including necessary excavation, trench filling etc. complete. Including removing existin..... (INo42-22, PgNo 276) ( STATE DSR )

5			5.000
Total Quantity			5.000 R.Mt.

ITEM NO. : 25 Providing and applying two coats of water proof cement paint of approved manufacture and of approved colour to the plastered surfaces including scaffolding if necessary, cleaning and preparing the sur..... (INo35-13, PgNo 224) ( STATE DSR )

Equal to Quantity of 201/32 11	61.29		61.290
Total Quantity			61.290 Sq.Mt.

ITEM NO. : 26 Providing & applying washable oil-bound distemper of approved colour and shade to old & new surfaces in one coat including scaffolding, preparing the surfaces. (excluding the primer coat.)etc. complet..... (INo36-10, PgNo 227) ( STATE DSR )

Equal to Quantity of 201/32 03	62.37		62.370
Total Quantity			62.370 Sq.Mt.

ITEM NO. : 27 Providing and fixing board displaying information, such as 'Name of work, Tender cost, Name of Contractor, Work completion and liability period etc', having rectangular shape of 1.20m x 0.90m size mad..... (INo6-36, PgNo 60) ( STATE DSR )

No.	L.	B.	D.	Quantity
1				1.000
Total Quantity				1.000 No.

2 . NAME OF SUB WORK -- Testing Charges Estimate

ITEM NO. : 1 CONCRETE Compressive Strength OF C.C. Cube(Set of 3 cubes)..... (INo19-VQC, PgNo 584) ( STATE DSR )

1				1.000
Total Quantity				1.000 1 Test

ITEM NO. : 2 MORTOR Compressive Strength.( Set of 3 Cubes)..... (INo27-VQC, PgNo 585) ( STATE DSR )

1				1.000
Total Quantity				1.000 1 Mix Design

ITEM NO. : 3 BRICKS Water Absorption (Set of 5 Bricks), Compressive Strength( Set of 5 Bricks), Efflorescenco (Set of 5 Bricks)..... (INo13-VQC, PgNo 584) ( STATE DSR )

1				1.000
Total Quantity				1.000 1 Test

ITEM NO. : 4 STEEL BAR TESTING Upto 16 mm (Set of 3 Bars)..... (INo72-VQC, PgNo 586) ( STATE DSR )

1				1.000
Total Quantity				1.000 1 Test

3 . NAME OF SUB WORK -- Royalty Charges Estimate

ITEM NO. : 1 Royalty Charges for HARD MURUM. Rate = Royalty + surcharge (2%) (211.95 + 4.23 = 216.18 Per Cum)..... (INo1-A, PgNo 1) ( STATE DSR )

3.97				3.970
Total Quantity				3.970 Cu.Mt.

Lead Statement

Name of Work

Construction of Toilet Block Unit At- parawadi, Tal-Baramati, Dist-Pune

Material

Lead Distance  
(in Km.)

Total Lead Charges  
(In Rs.)

Initial Lead (5 Km)  
(In Rs.)

Net Lead  
(In Rs.)

STATE REGION DSR

	Material	Lead Distance (in Km.)	Total Lead Charges (In Rs.)	Initial Lead (5 Km) (In Rs.)	Net Lead (In Rs.)
1	CEMENT	7 Km.	194.05		29.06
2	VSI / Natural Sand	7 Km.	296.77		33.58
3	EARTH	1 Km.	186.49		0.00
4	BRICK	7 Km.	624.97		93.59
5	Crush Metal -40mm	7 Km.	284.41		32.19
6	Crush Metal -20mm	7 Km.	296.77		33.58
7	Crush Metal -12mm	7 Km.	296.77		33.58
8	Crush Metal -6mm	7 Km.	296.77		33.58
9	Hard Murum	1 Km.	186.49		0.00
10	Metal	7 Km.	284.41		32.19
11	STR STEEL	7 Km.	194.05		29.06
12	TMT BAR	7 Km.	194.05		29.06
13	Crush Sand	7 Km.	296.77		33.58

Certified that the quarries considered in the lead statement are the nearest and that sufficient quantity of good quality material is available.

Junior Engineer

Z. P. Division (South) Pune

Deputy Engineer

Z. P. Division (South) Pune

SSR YEAR 2022-2023

R.A. NO. : 1 - Providing and laying Cast in situ/Ready Mix cement concrete in M-10 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including bailing out water, Steel centering, formwork, laying/pumping, compaction, roughening them if special finish is to be provided, finishing if required and curing complete, with fully automatic micro processor based PLC WITHOUT SCADA enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate ( Crushed sand VSI Grade finely washed )

INo24-01 NS, PgNo 175 ( STATE DSR )		Basic Rate.....		5704.00 / Cu.Mt.
Add For Lead Charges	Qty. / Unit	Distance	Lead Charge	
CEMENT	0.22 / M.T.	7 Km.	Rs.194.05	Rs.42.69
Crush Sand	0.47 / Cu.Mt.	7 Km.	Rs.296.77	Rs.139.48
Crush Metal -20mm	0.24 / Cu.Mt.	7 Km.	Rs.296.77	Rs.71.22
Crush Metal -40mm	0.7 / Cu.Mt.	7 Km.	Rs.284.41	Rs.199.09
Sub Total				Rs. 6156.48
Total Amount				Rs. 6156.48
Rate				Rs. 6156.50 / Cu.Mt.

R.A. NO. : 2 - Providing and laying in situ /Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, Steel centering formwork, laying/pumping cover blocks, compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel).etc. complete, with fully automatic micro processor based PLC WITHOUT SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade finely washed )

INo25-11 NS, PgNo 178 ( STATE DSR )		Basic Rate.....		6978.00 / Cu.Mt.
Add For Lead Charges	Qty. / Unit	Distance	Lead Charge	
CEMENT	0.35 / M.T.	7 Km.	Rs.194.05	Rs.67.92
Crush Sand	0.425 / Cu.Mt.	7 Km.	Rs.296.77	Rs.126.13
Crush Metal -20mm	0.57 / Cu.Mt.	7 Km.	Rs.296.77	Rs.169.16
Crush Metal -12mm	0.28 / Cu.Mt.	7 Km.	Rs.296.77	Rs.83.10
Sub Total				Rs. 7424.30
Total Amount				Rs. 7424.30
Rate				Rs. 7424.30 / Cu.Mt.

R.A. NO. : 3 - Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. columns as per detailed designs and drawing or as directed including steel centering, formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete, (Excluding reinforcement and structural steel).with fully automatic micro processor based PLC WITHOUT SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade finely washed )

INo25-31 NS, PgNo 179 ( STATE DSR )		Basic Rate.....		13657.00 / Cu.Mt.
Add For Lead Charges	Qty. / Unit	Distance	Lead Charge	
CEMENT	0.35 / M.T.	7 Km.	Rs.194.05	Rs.67.92
Crush Sand	0.425 / Cu.Mt.	7 Km.	Rs.296.77	Rs.126.13
Crush Metal -20mm	0.57 / Cu.Mt.	7 Km.	Rs.296.77	Rs.169.16

1 / M.T.

7 Km.

Rs.194.05

Rs.194.05

Rs. 89897.05

Rs. 89897.05

Rs. 89897.05 / M.T.

R.A. NO. : 7 - Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in foundations and plinth of inner walls/ in plinth external walls including bailing out water manually, striking joints on unexposed faces, raking out joints on exposed faces and watering etc. Complete.

INo27-01, PgNo 197 (.STATE DSR )		Basic Rate.....			
Add For Lead Charges		Qty. / Unit	Distance	Lead Charge	7755.00 / Cu.Mt.
CEMENT		0.079 / M.T.	7 Km.	Rs.194.05	Rs.15.33
VSI / Natural Sand		0.32 / Cu.Mt.	7 Km.	Rs.296.77	Rs.94.97
BRICK		0.475 / 1000 Nos.	7 Km.	Rs.624.97	Rs.296.86
Sub Total					Rs. 8162.16
Total Amount					Rs. 8162.16
Rate					Rs. 8162.15 / Cu.Mt.

R.A. NO. : 8 - Filling in plinth and floors with contractors material/brought from outside and approved by Engineer incharge in layers of 15cm. to 20cm. including watering and compaction etc..complete.

INo21-37, PgNo 157 (.STATE DSR )		Basic Rate.....			
Add For Lead Charges		Qty. / Unit	Distance	Lead Charge	599.00 / Cu.Mt.
EARTH		1 / Cu.Mt.	1 Km.	Rs.186.49	Rs.186.49
Sub Total					Rs. 785.49
Total Amount					Rs. 785.49
Rate					Rs. 785.50 / Cu.Mt.

R.A. NO. : 9 - Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints, watering and scaffolding etc. Complete

INo27-05, PgNo 197 ( STATE DSR )		Basic Rate.....			
Add For Lead Charges		Qty. / Unit	Distance	Lead Charge	7994.00 / Cu.Mt.
CEMENT		0.079 / M.T.	7 Km.	Rs.194.05	Rs.15.33
VSI / Natural Sand		0.32 / Cu.Mt.	7 Km.	Rs.296.77	Rs.94.97
BRICK		0.475 / 1000 Nos.	7 Km.	Rs.624.97	Rs.296.86
Sub Total					Rs. 8401.16
Total Amount					Rs. 8401.16
Rate					Rs. 8401.15 / Cu.Mt.

R.A. NO. : 10 - Providing sand faced plaster externally in cement mortar using approved screened sand, in all