



पुण्यश्लोक अहिल्यादेवी होळकर  
सोलापूर विद्यापीठ  
NAAC Accredited-2022  
'B' Grade (CGPA 2.96)

पुण्यश्लोक अहिल्यादेवी होळकर सोलापूर विद्यापीठ, सोलापूर  
Punyashlok Ahilyadevi Holkar Solapur University, Solapur

केगाव, सोलापूर-४१३२५५ महाराष्ट्र (भारत)

दुरध्वनी क्र.०२१७-२७४४७७१-७३ (११ लाईन्स) फॅक्स-०२१७-२३५१३००

संकेतस्थळ: <http://su.ac.in> ई-मेल: fao@sus.ac.in



खरेदी व भांडार विभाग

जा.क्र.पुअहोसोविसो/विवले/खभांवि/२०२४/६२१

दिनांक: 8 OCT 2024

On University Website

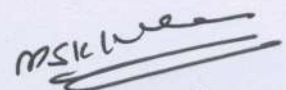
प्रति,

विषय: प्रस्तुत विद्यापीठाच्या मौजे कोंडी ता. उत्तर सोलापूर परिसरात रुसा निधी अंतर्गत मुलांचे वसतीगृह ब्लॉक अ इमारतीपर्यंत डांबरी रस्ता तयार करणे कामाचे दरपत्रके मागविणेबाबत...

महोदय / महोदया,

उपरोक्त विषयास अनुसरून आपणास कळविण्यात येते की, प्रस्तुत विद्यापीठाच्या उपरोक्त नमूद विषयाप्रमाणे दरपत्रके मागविण्यात येत आहेत. दरपत्रके मागविण्याबाबत आपले अपेक्षित दर GST सह दरपत्रक भरून मा. वित्त व लेखा अधिकारी, पुण्यश्लोक अहिल्यादेवी होळकर सोलापूर विद्यापीठ, सोलापूर यांच्या नावे सिलबंद लिफाफ्यात पाठवावे. दरपत्रकासंदर्भात सविस्तर माहिती खालीलप्रमाणे आहे. वरील कामाचे दरपत्रक, सुचना सोलापूर विद्यापीठाच्या <http://su.ac.in> या संकेतस्थळावर (Quotation) या शिर्षकाखाली उपलब्ध आहे.

अ.क्रं	तपशिल	दिनांक	वेळ	ठिकाण
१.	दरपत्रके प्रकाशित करण्याचा दिनांक व वेळ	०८/१०/२०२४		वित्त व लेखा विभाग,
२.	दरपत्रके स्विकारण्याची दिनांक व वेळ	०८/१०/२०२४		पुण्यश्लोक अहिल्यादेवी
३.	दरपत्रक सादर करणे अंतिम दिनांक व वेळ	१६/१०/२०२४	सायं.६.००	होळकर सोलापूर विद्यापीठ,
४.	दरपत्रक उघडण्याचा दिनांक/वेळ आणि ठिकाण (शक्य झाल्यास)	१७/१०/२०२४	दुपारी ३.३०	सोलापूर-पुणे महामार्ग, केगांव, सोलापूर- ४१३ २५५

  
(सी. ए. एम. एस. खराडे)  
वित्त व लेखा अधिकारी

Name of work :- Improvement of Road Infront of Boys Hostel

**RECAPITULATION SHEET**

a) COST OF ROAD WORK	= Rs. 805,679.12
1) Total Cost	= <u>Rs. 805,679.12</u>
2) Add G.S.T 18% Charges	Rs. 145,022.00
3) Quality Control Charge	Rs. 33,560.00
4) ( Royalty Charges )	Rs. 13,650.00
Total Cost	= <u>Rs. 997,911.12</u>
Say =	Rs. 9.98 Lakhs

  
University Engineer  
Punyashlok Ahilyadevi Holkar Solapur University,  
Solapur.

Name of work :- Improvement of Road Infront of Boys Hostel

## **COST OF ROAD WORK** **ABSTRACT**

Sr. No	Quantity		Item	Rate	Unit	Amount
1	62.80	Cum	Excavation for roadway in earth, soil of all sorts, sand, gravel or soft murum including dressing section to the required grade, camber and side slopes and conveying the excavated materials with all lifts upto a lead of 50m. and spreading for embankment or stacking as directed.  (SSR 2022 - 23 ) P.No - 23 I No. 2.11 Basci Rate 104.00 Add 5% S.M.C./S.C.A. 5.200 Total 109.20 Say Rate 109.20	109.20	Cubic Meter	6857.76
2	15.00	Cum	Providing earth work in embankment with approved materials obtained from other sources upto lead of 50 m. including all lifts, laying in layers of 20 cm. to 30 cm. thickness breaking clods, dressing to the required lines, curves, grades & section, watering and compaction with vibratory roller with V-Sat attachment to achieve not less than  A) With Lead R.A. No - 1	1008.35	Cubic Meter	15125.25
3	101.81	Cum	Wet Mix Macadam -- Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub- base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density. Laying By Grader/Paver.  R.A. No - 2	2481.65	Cubic Meter	252651.82
4	17.60	Cum	Supplying hard murum at the road site, including loading conveying and unloading and stacking etcetera complete.  R.A. No - 3	660.05	Cubic Meter	11616.88
5	17.60	Cum	Spreading hard murum/ soft murrum/ gravel or kankar for side width complete  ( SSR 2022 - 23 ) P.No - 25 I No.- 2.30 Basci Rate 79.00 Add 5% S.C.A. 3.950 Total 82.95 Say Rate 82.95	82.95	Cubic Meter	1459.92

6	160.00	Sqm	Compacting the hard murum side widths including laying in layers on each side with vibratory roller including artificial watering etc. complete.	22.05	Square Meter	3528.00
			( SSR 2022 - 23 ) P.No - 25 I No.- 2.31			
			Basci Rate 21.00			
			Add 5% S.C.A. 1.050			
			<b>Total 22.05</b>			
			<b>Say Rate 22.05</b>			
7	484.80	Sqm	Prime coat - Providing and applying primer coat with bitumen emulsion on prepared surface of granular Base including cleaning of road surface and spraying, primer at the rate of 0.60 kg/sqm using mechanical means.	45.70	Square Meter	22155.36
			<b>R.A. No - 4</b>			
8	484.80	Sqm	Providing and applying tack coat on the prepared surface heating by fames in Boiler and spraying bitumen with sprayer on Dry / Hungry B.T. surface 3 kg/10 sqm. (VG-30 bulk bitumen rates are considered to arrive at	20.60	Square Meter	9986.88
			<b>R.A. No - 5</b>			
9	484.80	Sqm	Providing and constructing 50 mm.thick Modified Penetration Macadam (MPM) road surface including all mataerials , preparing the existing road surface , spreading 40 mm.stone metal layers 30 % crusher broken metal + 70 % Hand broken ( by breaking rubble obtained by blasting ) heating and spraying the bitumen of specified grade @ 1.75 Kilogram / Square Metre , spreading 12 mm.size chips compacting with static roller having weight 8 to 10 MT.to achive the desired degree of compaction as per Technical Specification Clause 506 etc.complete.Including picking of existing WBM surface.( VG-30 bulk bitumen rates are considered to arrive at rates)	231.20	Square Meter	112085.76
			<b>R.A. No - 6</b>			
10	484.80	Sqm	Open Graded Premix Surfacing- Providing and Laying OGC 20 mm thickness composed of 13.2 mm to 5.6 mm aggregates premixed with bituminous binder transported to site with VTS, laid over a previously prepared surface , finished to there quired grade ,level ,alignment ,and rolling to achieve the desired compaction but excluding prime / tack and Seal coat.For Bitumen of specified grade--USING drum mix type hot mix plant with SCADA,Paver and Vibratory roller (over BT Surface) (VG-30 bulk bitumen rates are considered to arrive at rates)	202.60	Square Meter	98220.48
			<b>R.A. No - 7</b>			

11	484.80	Sqm	Providing bituminous Type A liquid seal coat on bituminous surface including supplying all materials and bitumen of specified grade preparing existing road surface, heating and applying bitumen @ 0.98 KgSqm. by mechanical means, spreading chips and rolling, by static roller having weight 8 to 10 MT. etc. complete. (VG-30 bulk bitumen rates are considered to arrive at rates)	72.55	Square Meter	35172.24
			<b>R.A. No - 8</b>			
12	1	Nos	Providing and fixing Road junction / Information sign board of size 0.90 m x 0.60 m. prepared on 16 gauge M.S. sheet with angle iron frame of size 35x35x5 mm including painting with one coat of zinc cromate stoving primer and two coats each of green/ white back ground and back side gray stove enamelled, bonded with red retro reflective sheet Engineering grade, border / letters / numeral / arrows, coated with non peelable crystal clear protective coat retaining 100% reflection including two angle iron post of size 50x50x5 mm of 3.65 m. long inflated at bottom drilled on top and painted in white and black bands of 30 cm. with 4 Nos. high strength G.I. bolts and nuts of size 10 mm dia. and 20 mm long sheet and angle iron post in one piece without joints including all taxes, conveying, fixing in ground with cement concrete 1:4:8 block of 60 cm x 60 cm x 75 cm size as directed by Engineer-in-charge etc. complete. Mild Steel Board with Engineering Grade.	8204.70	Number	8204.70
			(SSR 2022 - 2023 ) It.No. - 6.47			
			Bascl Rate 7814.00			
			Add 5% S.M.C./S.C.A. 390.700			
			<b>Total 8204.70</b>			
			<b>Say Rate 8204.70</b>			
13	7.50	Mtr	Providing and laying cement concrete pipe of IS458:2003 NP-3 class of 900 mm dia meter in proper line, level and slope etc. complete.	8430.75	Per Running Meter	63230.63
			<b>R.A. No - 11</b>			

14	0.00	Sqm	Providing and Laying hot applied thermoplastic road marking strip on Bituminous Surface of specified shade/ colour of 2.5 mm thick including 1.5 Refractive index reflectorizing glass beads @ 250gm/sqm .Thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC 35:2015. Initial Dry reflectivity RL shall be > 250 mcd/sqm/lux measured in the initial 7 days and sustained reflectivity RL of 100 mcd/sqm/ lux and Qd of 100 mcd/sqm/ lux measured at the end of 2 years by means of a Standard Reflectometer of Zehntner, EasyLux, Delta make capable of measuring RL & QD both according to IRC 35:2015 clause 15.5. The finished surface to be level, uniform, and free from streaks and holes complete as per direction of Engineer-in-charge and in accordance with applicable specifications.(Refer MORTH Clause 803 for technical Specification and Performance for IRC 35:2015)	699.30	Per Square Meter	0.00
			<b>(SSR 2022-23 ), It.No. - 6.12a</b>			
			Basci Rate	666.00		
			Add 5% S.M.C./S.C.A.	33.300		
			<b>Total</b>	<b>699.30</b>		
			<b>Say Rate</b>	<b>699.30</b>		
14	13.50	Cum	Providing and laying in situ / ready mix cement concrete of M-10 proportion with trap / granite / quartzite / gneiss metal in foundation including necessary form work, compacting and curing etc. complete. (with reversible drum type mixer with SCADA with fine aggregates of required specifications ( VSI sand finely washed etc )	6468.40	Per Cubic Meter	87323.40
			<b>R.A. No -</b>	<b>9</b>		
15	7.69	Cum	Providing cast in situ / ready mix M 20 grade cement concrete for head walls of CD work / retaining walls etc. including necessary form work, compaction, finishing and curing etc. complete. (with reversible drum type mixer / concrete batch mix plant (panmixer) with SCADA	10150.85	Per Cubic Meter	78060.04
			<b>R.A. No -</b>	<b>10</b>		
					<b>Total</b>	<b>805679.12</b>
					<b>Say Total</b>	<b>805679.00</b>

  
**University Engineer**  
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 Solapur.

16		<b>Carring Out Test For following items in Public Works District Labortory or Government</b>					
16.02	1	Test	Job Mix ( WMM )	16250.00	Per Test	16250.00	
16.02	1	Test	Extraction Test	1595.00	Per Test	1595.00	
16.03	1	Test	Crushing Value ,Los Angles aborasion ,Flaking Index ,Water Absorpsion	2600.00	Per Test	2600.00	
16.04	3	Test	Field density	1115.00	Per Test	3345.00	
16.05	0	Test	Gradation sieve analysis	690.00	Per Test	0.00	
16.06	1	Test	Gradation sieve analysis	690.00	Per Test	690.00	
16.07	1	Test	Liquid Limit & Plastic Limit	1170.00	Per Test	1170.00	
16.09	0	Test	Penetration Softening Point, Flash & Fire Point, Specific Gravity & Viscosity	3135.00	Per Test	0.00	
						<b>Total</b>	<b>25650.00</b>
						<b>Say Total</b>	<b>25650.00</b>
17	<b>Royalty Charges For Sand</b>						
	<b>15.00</b>		<b>Earth work</b>	216.18	Cum	3242.70	
	<b>17.60</b>		<b>Supplying Hard Murum</b>	216.18	Cum	3804.77	
	<b>30.54</b>		<b>MPM 75 mm ( Hand Broken )</b>	216.18	Cum	6602.14	
						<b>Total</b>	<b>13649.61</b>
						<b>Say Total</b>	<b>13650.00</b>

I/we ready to work as per .....%. Above/Below/Given Estimated Rates mention in Schedule B

  
**University Engineer**  
Punyashlok Ahilyadevi Holkar Solapur University  
Solapur.

Name of work :- Improvement of Road Infront of Boys Hostel

**COST OF ROAD WORK  
MEASUREMENT SHEET**

It. No	Discscription	No		Lenth		Breadth		Depth		Qty.	Unit
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- 1 Excavation for roadway in earth, soil of all sorts, sand, gravel or soft murum including dressing section to the required grade, camber and side slopes and conveying the excavated materials with all lifts upto a lead of 50m. and spreading for embankment or stacking as directed.

CH - 19/750 to 19/800

**Infront of boys hostel**

1 x 1 x 100.00 x 3.30 x 0.10 = 33.00 Cum

**LHS & RHS of boys hostel**

1 x 2 x 30.00 x 3.30 x 0.10 = 19.80 Cum

**Divider**

1 x 1 x 100.00 x 1.00 x 0.10 = 10.00 Cum

Total Qty = **62.80** Cum

- 2 Providing earth work in embankment with approved materials obtained from other sources upto lead of 50 m. including all lifts, laying in layers of 20 cm. to 30 cm. thickness breaking clods, dressing to the required lines, curves, grades & section, watering and compaction with vibratory roller with V-Sat attachment to achieve not less than 97 % of standard proctor density etc. complete (Material obtained from Other sources)

**,@ Required place**

**Tokan provision**

= 15.00 Cum

Total Qty = **15.00** Cum

- 3 Wet Mix Macadam -- Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub- base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density.  
Laying By Grader/Paver.

**Infront of boys hostel**

1 x 1 x 100.00 x 3.30 x 0.10 = 33.00 Cum

1 x 1 x 100.00 x 3.00 x 0.10 = 30.00 Cum

**LHS & RHS of boys hostel**

1 x 2 x 30.00 x 3.30 x 0.10 = 19.80 Cum

1 x 2 x 30.00 x 3.00 x 0.10 = 18.00 Cum

**Curve & Fanning Portion**

100.80 x 1% = 1.01 Cum

Total Qty = **101.81** Cum



- 4 Supplying hard murum at the road site, including loading conveying and unloading and stacking etcetera complete.

$$2 \quad \times \quad 160.00 \quad \times \quad \frac{0.500}{2} \quad + \quad 0.60 \quad \times \quad 0.100 \quad = \quad 17.60 \quad \text{Cum}$$

$$\text{Net Total Qty} = \underline{17.60} \quad \text{Cum}$$

- 5 Spreading hard murum/ soft murrum/ gravel or kankar for side width complete

$$\text{Qty as Per Item No 7} = 17.60 \quad \text{Cum}$$

- 6 Compacting the hard murum side widths including laying in layers on each side with vibratory roller including artificial watering etc. complete.

$$2 \times 160.00 \times 0.500 = 160.00 \quad \text{Sqm}$$

$$\text{Net Total Qty} = 160.00 \quad \text{Sqm}$$

- 7 Prime coat - Providing and applying primer coat with bitumen emulsion on prepared surface of granular Base including cleaning of road surface and spraying, primer at the rate of 0.60 kg/sqm using mechanical means.

$$\text{For WMM} \quad 1 \quad \times \quad 1 \quad \times \quad 100.00 \quad \times \quad 3.00 \quad = \quad 300.00 \quad \text{Sqm}$$

$$1 \quad \times \quad 2 \quad \times \quad 30.00 \quad \times \quad 3.00 \quad = \quad 180.00 \quad \text{Sqm}$$

Curve & Fanning Portion

$$480.00 \quad \times \quad 1\% \quad = \quad 4.80 \quad \text{Sqm}$$

$$\text{Total qty} = \underline{484.80} \quad \text{Sqm}$$

- 8 Providing and applying tack coat on the prepared surface heating by fumes in Boiler and spraying bitumen with sprayer on Dry / Hungry B.T. surface 3 kg/10 sqm. (VG-30 bulk bitumen rates are considered to arrive at rates)

$$\text{For OGC} \quad 1 \quad \times \quad 1 \quad \times \quad 100.00 \quad \times \quad 3.00 \quad = \quad 300.00 \quad \text{Sqm}$$

$$1 \quad \times \quad 2 \quad \times \quad 30.00 \quad \times \quad 3.00 \quad = \quad 180.00 \quad \text{Sqm}$$

Curve & Fanning Portion

$$480.00 \quad \times \quad 1\% \quad = \quad 4.80 \quad \text{Sqm}$$

$$\text{Total qty} = \underline{484.80} \quad \text{Sqm}$$

- 9 Providing and constructing 50 mm.thick Modified Penetration Macadam (MPM) road surface including all materials , preparing the existing road surface , spreading 40 mm.stone metal layers 30 % crusher broken metal + 70 % Hand broken ( by breaking rubble obtained by blasting ) heating and spraying the bitumen of specified grade @ 1.75 Kilogram / Square Metre , spreading 12 mm.size chips compacting with static roller having weight 8 to 10 MT.to achieve the desired degree of compaction as per Technical Specification Clause 506 etc.complete.Including picking of existing WBM surface.( VG-30 bulk bitumen rates are considered to arrive at rates)

On WBM	1	x	1	x	100.00	x	3.00	=	300.00	Sqm
On WBM	1	x	2	x	30.00	x	3.00	=	180.00	Sqm
Curve & Fanning Portion					480.00	x	1%	=	4.80	Sqm
<b>Total qty =</b>									<b>484.80</b>	<b>sqm</b>

- 10 Open Graded Premix Surfacing- Providing and Laying OGC 20 mm thickness composed of 13.2 mm to 5.6 mm aggregates premixed with bituminous binder transported to site with VTS, laid over a previously prepared surface , finished to there quired grade ,level ,alignment ,and rolling to achieve the desired compaction but excluding prime / tack and Seal coat.For Bitumen of specified grade--USING drum mix type hot mix plant with SCADA,Paver and Vibratory roller (over BT Surface) (VG-30 bulk bitumen rates are considered to arrive at rates)

	1	x	1	x	100.00	x	3.00	=	300.00	Sqm
	1	x	2	x	30.00	x	3.00	=	180.00	Sqm
Curve & Fanning Portion					480.00	x	1%	=	4.80	Sqm
<b>Net Qty =</b>									<b>484.80</b>	<b>Sqm</b>

- 11 Providing bituminous Type A liquid seal coat on bituminous surface including supplying all materials and bitumen of specified grade preparing existing road surface, heating and applying bitumen @ 0.98 KgSqm. by mechanical means, spreading chips and rolling, by static roller having weight 8 to 10 MT. etc. complete. (VG-30 bulk bitumen rates are considered to arrive at rates)

	1	x	1	x	100.00	x	3.00	=	300.00	Sqm
	1	x	2	x	30.00	x	3.00	=	180.00	Sqm
Curve & Fanning Portion					480.00	x	1%	=	4.80	Sqm
<b>Net Qty =</b>									<b>484.80</b>	<b>Sqm</b>

- 12 Providing and fixing Road junction / Information sign board of size 0.90 m x 0.60 m. prepared on 16 gauge M.S. sheet with angle iron frame of size 35x35x5 mm including painting with one coat of zinc cromate stoving primer and two coats each of green/ white back ground and back side gray stove enamelled, bonded with red retro reflective sheet Engineering grade, border / letters / numeral / arrows, coated with non pealable crystal clear protective coat retaining 100% reflection including two angle iron post of size 50x50x5 mm of 3.65 m. long inflated at bottom drilled on top and painted in white and black bands of 30 cm. with 4 Nos. high strength G.I. bolts and nuts of size 10 mm dia. and 20 mm long sheet and angle iron post in one piece without joints including all taxes, conveying, fixing in ground with cement concrete 1:4:8 block of 60 cm x 60 cm x 75 cm size as directed by Engineer-in-charge etc.

	1	x	1	=	1	Nos
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- 13 Providing and laying cement concrete pipe of IS458:2003 NP-3 class of 900 mm dia meter in proper line, level and slope etc. complete.

,@, Turning Point	3	x	2.5	=	7.50	Rmt
<b>Total =</b>					<b>7.50</b>	<b>Rmt</b>



16.04	Field density				=	3	Test
16.05	Gradation sieve analysis 1Test /100 cum	69.81	1	30% Lab	=	0	Test
<b>Supplying hard murum</b>							
16.06	Gradation sieve analysis 1Test /100 cum	17.60	0	30% Lab	=	1	Test
16.07	Liquid Limit & Plastic Limit 1Test /250 cum	17.60	0	30% Lab	=	1	Test

**Asphalt VG - 30**

**Providing and applying tack coat on the prepared surface heating**  
 $484.80 \times 0.30 = 145.44 \text{ Kg}$

**Providing and constructing 50 mm.thick Modified Penetration  
75 mm MPM**  
 Asphalt Required  $484.80 \times 2.00 = 969.60 \text{ Kg}$   
**50 mm MPM**  
 Asphalt Required  $0.00 \times 1.75 = 0.00 \text{ Kg}$

**Bituminous macadam**

Asphalt Required  $0.00 \times 72.60 = 0.00 \text{ Kg}$

**Providing , laying rolling of open graded premix surfacing of 20 millimeter thickness**

Asphalt Required  $484.80 \times \frac{146.00}{100} = 707.81 \text{ Kg}$

**Providing bituminous Type A liquid seal coat on bituminous surface including supplying all materials ar**

Asphalt Required  $484.80 \times \frac{98.00}{100} = 475.10 \text{ Kg}$

Total asphalt Required =  $\frac{2152.51}{\text{Kg}}$

i.e = 2.15 M.T

Total Emulsion Required =  $\frac{4452.61}{\text{Kg}}$

i.e = 4.45 M.T

16.10	Penetration Softening Point, Flash & Fire Point, Specific Gravity & Viscosity 1Test/Bouzer( 8.50M.T.)	<b>VG - 30</b>	2.15	8.50	per bouzer	=	0	Test		
							<b>Total</b>	<b>=</b>	<b>0</b>	<b>Test</b>

Royalty Earth Work	15.00	x	1.00	=	15.00	Cum
Supplying Hard Murum	17.60	x	1.00	=	17.60	Cum
MPM 75 mm ( Hand Broken )	484.80	x	0.063	=	30.54	Cum

  
**University Engineer**  
 Panyashlok Ahilyadevi Holkar Solapur University,  
 Solapur.

## Terms and conditions

The bidder must purchase the bidding documents by filling the cost of quotation.

- 01 Scanned copy of Certificate as a Registered Contractor with the Government of Maharashtra in Public Works Department in appropriate class as may be Applicable (True Copy Thereof duly attested by a Gazette officer)
- 02 Scanned copy of PAN number, Acknowledgement of I.T. Return of previous financial years, Audited Balance sheet of previous three financial years.

03 Use of Specialized Machinery.

Sr. No.	Type of Equipment
1.	Bitumen's Mixer

- 04 Scanned copy of Details of the other works quotation for and in hand with the Value. of the work unfinished on the last date of acceptance of quotation. The certificate from the head of the offices under whom the works are in progress should be enclosed.
- 05 Scanned copy of A list of modern machinery and plants immediately available with the quotation for use on this work and list of modern machinery proposed to be utilized on this work but not immediately available and the manner in which it is Proposed to be procured.
- 06 Scanned copy of Details of work of similar type and magnitude carried out by the contractor
- 07 Scanned copy of Details of works carried out in the interior, Backward and Hilly Area during the preceding 5 years ( if applicable)
- 08 Scanned copy of Details of technical personnel on the rolls of quotation.
- 09 Scanned copy of attested copy of Registered Partnership Deed, Memorandum of Articles of Association, if the quotation is a Partnership Firm, Joint Stock Company and Power of Attorney and Firm Registration Certificate if any.
- 10 Scanned copy of Details of work done during last five years with the Value. Of work unfinished.
- 11 Scanned copy of Valid Professional Tax registration Certificate and Professional Tax Clearance certificate with list of employees duly attested by professional Tax Officer.
- 12 Scanned copy of original Valid GST registration Certificate from Solapur State GST Department. (Solapur GST Tax Act 2017)
- 13 Scanned copy of Affidavit in respect of genuines of documents contained in the envelope no 1 in the prescribed preform provided with tender set. (Affidavit on Rs. 500 bond must be given separately for each work. Affidavit given for more than one work collectively on one bond will not be accepted.)

  
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## SCHEDULE " C "

Name of work :- Improvements of road Infront of Boys Hostel

Subject Memorandum showing items of works to be carried out by contractor

Tender Item No.	Unit	Item	Reference to Standard		Remark
			Specification	Page No.	
1	2	3	4	5	6
1	Cubic Meter	Excavation for roadway in earth, soil of all sorts, sand, gravel or soft murum including dressing section to the required grade, camber and side slopes and conveying the excavated materials with all lifts upto a lead of 50m. and spreading for embankment or stacking as directed.	Reference to Standard Govt. of Maharashtra in P.W.D. and H. department and M.O.R.T. and H. of Govt. of India Specification of Aug. 2001 Edition  As Directed By Engineer in charge		The work shall be carried out as per direction of Engineer in charge.
2	Cubic Meter	Providing earth work in embankment with approved materials obtained from other sources upto lead of 50 m. including all lifts, laying in layers of 20 cm. to 30 cm. thickness breaking clods, dressing to the required lines, curves, grades & section, watering and compaction with vibratory roller with V-Sat attachment to achieve not less than 97 % of standard proctor density etc. complete (Material obtained from Other sources)	Ministry of Road transport and highways 305		As directed by Engineer-In-Charge.

  
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3	Cubic Meter	Wet Mix Macadam -- Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density. Laying By Grader/Paver.	Ministry of Road transport and highways Specification book for Road and Bridge works ( Fifth Revision ) Edition of April. 2013 406	131-136	As directed by Engineer-In-Charge.
4	Cubic Meter	Supplying hard murum at the road site, including loading conveying and unloading and stacking etcetra complete.	Ministry of Road transport and highways Specification book for Road and Bridge works ( Fifth Revision ) Edition of April. 2013 Clause 408 Section -900 Clause112	139-142 415-438 19-22	1)The work should be carried out in day time and in dry climate and should be closed before 6.00 P.M. 2) The representative of contractor shall maintain a register giving details of Chalan of bitumen received and should get it signed from the representative in charge of department in token of its acceptance. 3)For controlling traffic during construction and maintain diversion no extra payment shall be made.
5	Cubic Meter	Spreading hard murum or soft murrum or gravel or kankar for side width complete	Ministry of Road transport and highways Specification book for Road and Bridge works ( Fifth Revision ) Edition of April. 2013 Clause - 408 , 900, 112	139-142 415-438 19-22	The work shall be carried out as per direction of Engineer in charge.
6	Square Meter	Compacting the hard murum side widths including laying in layers on each side with vibratory roller including artificial watering etcetra complete.	Ministry of Road transport and highways Specification book for Road and Bridge works ( Fifth Revision ) Edition of April. 2013 Clause - 408, 900, 112	19-21 415-438 19-22	The work shall be carried out as per direction of Engineer in charge.

7	Square Meter	Prime coat - Providing and applying primer coat with bitumen emulsion on prepared surface of granular Base including cleaning of road surface and spraying, primer at the rate of 0.60 kg/sqm using mechanical means.	Ministry of Road transport and highways Specification book for Road and Bridge works (Fifth Revision ) Edition of April. 2013 Clause 502 Section -900 Clause112	168-170 415-436 19-21	1)The work should be carried out in day time and in dry climate and should be closed before 6.00 P.M. 2) The representative of contractor shall maintain a register giving details of Chalan of bitumen received and should get it signed from the representative in charge of department in token of its acceptance. 3)For controlling traffic during construction and maintain diversion no extra payment shall be made.
8	Square Meter	Providing and applying tack coat Viscosity grade - 30 on the prepared surface heating by flames in roller and spraying bitumen with spray set footed in bitumen boiler on black topped surface at 3.00 kilogramme per 10 square meter	Ministry of Road transport and highways Specification book for Road and Bridge works (Fifth Revision ) Edition of April. 2013 Clause 503 Section -900 Clause112	168-170 415-438 19-21	1)The work should be carried out in day time and in dry climate and should be closed before 6.00 P.M. 2) The representative of contractor shall maintain a register giving details of Chalan of bitumen received and should get it signed from the representative in charge of department in token of its acceptance. 3)For controlling traffic during construction and maintain diversion no extra payment shall be made.
9	Square Meter	Providing and constructing 50 mm.thick Modified Penetration Macadam (MPM) road surface including all materials , preparing the existing road surface , spreading 40 mm.stone metal layers 30 % crusher broken metal + 70 % Hand broken ( by breaking rubble obtained by blasting ) heating and spraying the bitumen of specified grade @ 1.75 Kilogram / Square Metre , spreading 12 mm.size chips compacting with static roller having weight 8 to 10 MT. to achieve the desired degree of compaction as per Technical Specification Clause 506 etc.complete.Including picking of existing WBM surface.( VG-30 bulk bitumen rates are considered to arrive at rates)	Ministry of Road transport and highways Specification book for Road and Bridge works (Fifth Revision ) Edition of April. 2013 Clause 506 Indian Road Congress- Social Publication-20, 2002 Clause No. 8.7.3	183-188	1)The mode of mesurment shall be one square meter of the laid 50 millimeter compacted thickness 2)The work shall be carried out in day time and weathered dry climate. 3)The representative of the contractor shall sign register of account of asphalt to be used daily in token of his acceptance 4) Bitumen of Indian Standard grade VG - 30 - ( 60/70) penetration shall be used for mixing .. 5)For controlling traffic or construction and maintenance of diversion no extra payment shall be done 6) 8-10 Tonne power roller shall be used. 7)The representative of contractor should maintain a register giving details challans of asphalt consumed and should get it signed from the representative of Engineer-in-charge in token of its acceptance.



10	Square Meter	Open Graded Premix Surfacing- Providing and Laying millimeter to 5.6 millimeter aggregates premixed with bituminous binder transported to site with VTS, laid over a previously prepared surface , finished to there quired grade ,level ,alignment ,and rolling to achieve the desired compaction but excluding prime / tack and Seal coat.For Bitumen of specified grade--USING drum mix type hot mix plant with Supervisory Control And Data Acquisition,Paver and Vibratory roller (over Bituman top Surface) (Viscosity Grade-30 bulk bitumen rates are considered to arrive at rates)	Ministry of Road transport and highways Specification book fifth Revisior: Edition of 2013 Specification book 2002 Edition Clause No 510 511 503 112 Section 900	198-205 205-207 168-170 19-21 415-438	A) Compacted thickness shall be 20 millimetre and mode of measurement shall be one square metre B) Work shall be carried out in days time and in dry climate and should be closed before 6:00 pm C) The representative of the Contractor shall maintain register giving details of challan of bitumen received and should get it signed from the representative in charge of department in token of its acceptance. D) For controlling traffic during construction and maintainance of diversion, no extra payment shall be made. E) Bitumen of Indian Standard Viscosity Grade 30 shall be used.
11	Square Meter	Providing bituminous Type A liquid seal coat on bituminous surface including supplying all materials and bitumen of specified grade preparing existing road surface, heating and applying bitumen at 0.98 Kilogramme Square meter by mechanical means, spreading chips and rolling, by static roller having weight 8 to 10 Metric Tonne etcetra complete. (Viscosity Grade-30 bulk bitumen rates are considered to arrive at rates)	Ministry of Road transport and highways Specification book fifth Revision Edition of 2013 Specification book 2002 Edition Clause No 510 511 503 112 Section 900	198-205 205-207 168-170 19-21 415-438	A) Compacted thickness shall be 20 millimetre and mode of measurement shall be one square metre B) Work shall be carried out in days time and in dry climate and should be closed before 6:00 pm C) The representative of the Contractor shall maintain register giving details of challan of bitumen received and should get it signed from the representative in charge of department in token of its acceptance. D) For controlling traffic during construction and maintainance of diversion, no extra payment shall be made. E) Bitumen of Indian Standard Viscosity Grade 30 shall be used.
12	Cubic Meter	Providing and laying in situ / ready mix cement concrete of Mix-10 proportion with trap / granite / quartzite / gneissmetalain foundation including necessary form work, compacting and curing etc.complete.(with reversible drum type mixer with Supervisory Control And Data Acquisition with fine aggregates of required specifications ( VSI sand finely washed etcetra )	CD-3	160	1) The appropriate mix design shall be got done well in advance from the approved government laboratory and the same shall also be gat approved from Engineer-In-Charge before starting the work. 2) Cement from the same stock sent for mix design shall be used for concreting work. 3) The minimum cement for reinforced cement concrete/plain

13	Cubic Meter	Providing cast in situ / ready mix M 20 grade cement concrete for head walls of Cross Drainage work / retaining walls etc.including necessary form work,compaction,finishing and curing etcetra complete.(with reversible drum type mixer / concrete batch mix plant (panmixer) with Supervisory Control And Data Acquisition	CD-8	163	1) The appropriate mix design shall be got done well in advance from the approved government laboratory and the same shall also be gat approved from Engineer-In-Charge before starting the work. 2) Cement from the same stock sent for mix design shall be used for concreting work. 3) The minimum cement for reinforced cement concrete/plain
14	Running Meter	Providing and laying cement concrete pipe of Indian Standard 458:2003 Non Pressure-3 class of 900 millimeter dia meter in proper line, level and slope etceitra complete.	CD-7	162	The work shall be carried out as per direction of Engineer-In-Charge
15	Number	Providing and fixing Road junction / Information sign board of size 0.90 m x 0.60 m. prepared on 16 gauge M.S. sheet with angle iron frame of size 35x35x5 mm including painting with one coat of zinc cromate stoving primer and two coats each of green/ white back ground and back side gray stove enamelled, bonded with red retro reflective sheet Engineering grade, border / letters / numeral / arrows, coated with non peelable crystal clear protective coat retaining 100% reflection including two angle iron post of size 50x50x5 mm of 3.65 m. long inflated at bottom drilled on top and painted in white and black bands of 30 cm. with 4 Nos. high strength G.I. bolts and nuts of size 10 mm dia. and 20 mm long sheet and angle iron post in one piece without joints including all taxes, conveying, fixing in ground with cement concrete 1:4:8 block of 60 cm x 60 cm x 75 cm size as directed by Engineer-in-charge etc. complete. Mild Steel Board with Engineering Grade.	Ministry of Road transport and highways Specification book for Road and Bridge works ( Fifth Revision ) Clause - 801 Indian Road Congress 67-2012	801 325 - 335	The work shall be carried out as per direction of Engineer-In-Charge
16	Job	Additional Royalty Charges for supplying of Material	AS directed by Engineer in charge		The work shall be carried out as per direction of Engineer in charge.

17	Job	Carrying Out Tests For various materials and samples District Labrotory of vigilance and quality control as per norms and frequency of VQCC, Pune	AS directed by Engineer in charge	<p>A)The amount of testing charges will be paid to the contractor after submission of original receipt from the Vigilance and Quality Control Office with the name of work on original receipt in the stipulated peroid of work. B) The above/below percentage and price variation clause are not applicable for testing charges items. C) The frequency of test results vide letter of Vigilance and Quality Control Circle,Pune No. Prasha / 2647 / 2010 dated 30/10/2010.No extra claim for additional tests and material trasportation charges required for test report. D) In addition to above 'A' to 'C' condition under clause 25 - samples and testing of material "under" additional general conditions and specifications of this tender document shall be applicable.</p>
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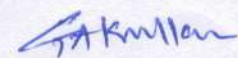
  
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All bidders shall include the following information and documents with their bid in Section 2.

(A) Civil Works Document.

- (a) Copies of original documents defining the constitution or legal status, place of registration and principal place of business, written power of attorney of the signatory of the Bid to commit the Bidder;
- (b) Total monetary value of construction work performed for each of the last **Five Years**.



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- (c) Experience in work of a similar type of works ( Consisting campus Development + Buildings + Furniture work + Infrastructural work + total Electrification + Landscaping / Gardening ets ) and size for each of the last **Five Years** and details of works underway or contractually committed and clients who may be contacted for further information on those contracts;
- (d) Major items of construction equipment proposed to carry out the Contract.
- (e) Qualifications and experience of key site management and technical personnel proposed for contract;
- (f) Reports on the financial standing of the Bidder, such as profit and loss statements and auditor's reports for the past **Five Years**.
- (g) Evidence of access to line(s) of credit and availability of other financial resources facilities (10% of contract value) certified by the Bankers. (Not more than 3 months old); **(To be Applicable for works costing More than Rs. 5 Crores.)**
- (h) Undertaking that the bidder will be able to invest a minimum cash upto 25% of contract value of work during implementation of work;
- (i) Authority to seek references from the Bidder's bankers;
- (j) Information regarding any litigation, current or during the last **Five Years**, in the Bidder is involved, the parties concerned and disputed amount;
- (k) Deleted**
- (l) The proposed methodology and programme of construction, backed with equipment planning and deployment, duly supported with broad calculations and quality control procedures proposed to be adopted, justifying their capability of execution and completion of the work as per technical specifications within the stipulated period of completion as per milestones. **(Applicable for works Costing more than Rs. 1.50 Crore)**
- (m) Declaration Signed by Contractor in form attached in section 8.
- (n) Details of Income Tax Circle or ward of the district in which the tenderer is assessed to Income Tax, Tenderer's PAN No. and complete postal address with Pin code and telephone Numbers. Scanned copy of Income Tax Return for the immediate previous financial year.
- (o) Scanned copy of original valid Goods & Service Tax (GST) Registration Certificate.
- (p) Scanned copy of a list of modern machinery and plants immediately available with the tenderer for use on this work and list of machinery proposed to be utilised on this work but not immediately available and manner in which it is proposed to be procured.
- (q) Scanned copy of Professional Tax Registration Certificate in form PTR and PTE.
- (r) Details of work done during last Five years with the value of work unfinished.
- (s) Details of work of similar type (as mentioned in 'c') carried out by the contractor.
- (t) Details of list of works in hand work tenderer for. (Information to be given in Proforma)
- (u) Details of work carried out in the Interior, Backward and Hilly Area during the preceding 5 years. (if

applicable)

- (v) Scanned copy of original Registered Partnership Deed, Memorandum of Articles of Association, if the tenderer is a Partnership Firm, Joint Stock Company and Power of Attorney and Firm Registration Certificate is any.
- (w) Scanned copy of Affidavit in respect of genuineness of documents contained in the Envelope No. 1 in the prescribed proforma approved with tender set on 100 Rs. Bond.
- (x) Scanned copy of Declaration Signed by Contractor in the Format Attached in Section 8.
- (y) This information shall be given by the contractor in Envelope No. 1 correctly and completely otherwise his Envelope No. 2 will not be opened.

**4.4 A) To qualify for award of the contract, each bidder in its name should have in the last Five years as referred to in Appendix.**

To qualify for award of the contract, each Tenderer in his name should have in the **Five** years.

- (a) Achieved a **minimum annual financial turnover** during last **Five** years for **Rs. 2517.00 lakhs** in any one year. In support of this, attested copy of Annual Audit Report certified by the Chartered Accountant should be produced.
- (b) **Satisfactorily completed in India as a prime contractor during last 5 years for Civil Works:**  
One Similar type of works each costing not less than Rs. 4680.00 Lakh. OR  
TWO Similar type of works each costing not less than Rs. 2925.00 Lakh. OR  
THREE Similar type of works each costing not less than Rs. 2340.00 Lakh.  
Similar type of work means a Single Building work of similar nature & magnitude in last 5 years having scope of Civil Works.
- (c) Quantity executed in any one year (during last five years) the following minimum quantities of work as indicated in Appendix.

**Civil work:**

Item	Quantity	Unit
R. C. Concrete M-25 Grade & Above	2117	Cum
TMT Steel	274	MT
Brick Masonary	1942	Cum
Internal Plaster	13198	Sqm
Tile Flooring	2888	Sqm

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**Electrical Work:**

Item	Quantity	Unit
Electric Traction Passenger cum Stretcher/Hospital Lift 20 Passenger/1360Kg	2	Each
8.5 TR outdoor units	3	Each
6 m high (clear height) galvanised octagonal pole	15	Each
20 Ports+4G Combo, Managed Layer 2, POE Switch	2	Each
G.I. pipe 'C' class ERW 150 mm dia	200	Rmt

Assessed Available Bid capacity =  $(A * N * 2 - B)$ ,

Where,

**A** = Maximum value of Annual Financial turnover in any one year during the last FIVE Years ( updated to 2023-24 level) as of Previous years shall be given weightage 90% per year.

**N** = Number of years prescribed for completion of works for which bid are invited.

**B** = Value of 2023-24 price level, of existing commitments and ongoing work to be completed during the next 24 months.

**Note** : The statement showing the value of Financial Turnover and ongoing work as well as the stipulated period of completion remaining for each of the works listed should be countersigned by the Engineer-in-charge, not below the rank of an Executive Engineer.

*Bid Validity.*

Bid shall remain invalid for a period not less than **120 days** after the deadline date for bid submission specified in Clause 20. A bid valid for a shorter period shall be rejected by the Employer as non-responsive. In case of discrepancy in bid validity period between that given in the undertaking pursuant to Clause 12.1 (v) and the Form of Bid submitted by the bidder, the latter shall be deemed to stand corrected in accordance with the former and the bidder has to provide for any additional security that is required.

In exceptional circumstances, prior to expiry of the original time limit, the Employer may

request that the bidders may extend the period of validity for a specified additional period. The request and the bidder's responses shall be made in writing or by cable. A bidder may refuse the request without forfeiting his bid security. A bidder agreeing to the request will not be required or permitted to modify his bid but will be required to extend the validity of his bid security for a period of the extension, and in compliance with Clause 16 in all respects.

(ii) The amount of the Additional Performance Security shall be calculated by the tenderer in accordance with the following manner.

If the tenderer has quoted below the estimated rates, the Additional Performance Security shall be paid additionally as mentioned below.

If the offer submitted is below cost put to Tender by upto 10% of the estimated cost put to tender	1% of the estimated cost put to tender
If below by more than 10% to 15% of the estimated cost put to tender	1% of the estimated cost put to tender plus an amount equal to the percentage by which the offer is below 10% of the estimated cost put to tender. (e.g. if the offer is 15.00% below, the Performance Security will be $1\% + (15.00 - 10) = 6.00\%$ of the estimated cost put to tender.
If below by more than 15% of the estimated cost put to tender	2% of the estimated cost remaining amount put to tender plus an amount equal for to the percentage by which the offer is below 15% of the estimated cost put to tender. e.g. 1 - if the offer is 16% below, the performance security will be $(16 - 15 = 1 \times 2 = 2) + 2 = 8\%$ of the estimated cost put to tender. e.g. 2 - if the offer is 19% below, the performance security will be $(19 - 15 = 4 \times 2 = 8) + 8 = 14\%$ of the estimated cost put to tender. e.g. 3 - if the offer is 25% below, the performance security will be $(25 - 15 = 10 \times 2 = 20) + 6 = 26\%$ of the estimated cost put to tender. e.g. 4 - if the offer is 26.25% below, the performance security will be $(26.25 - 15 = 11.25 \times 2 = 22.50) + 6 = 28.50\%$ of the estimated cost put to tender.

The Bank guarantee shall be valid

beyond 28 days from the date of expiry of the Defect



Liability Period.

In case it is found that the documents/Demand draft/Bank Guarantee submitted by the tenderer are false or misleading, his earnest money shall be forfeited and additionally legal action may be initiated against the tenderer.

The work orders shall be given to the concerned tenderer after the clearance of the Demand Draft/Bank Guarantee.

**Refund of Additional Performance Security.**

**The additional Performance Security shall be returned immediately upon satisfactory completion of work; the certificate of which shall be issued by the Executive Engineer before releasing the additional performance security..**

In case of the lowest successful Bidder (L-1) does not pay the additional performance security within stipulated time (within 8 days from the date of opening of financial bid), their Earnest money deposited will be forfeited.

**31. Performance Security:**

Within 10 days of receipt of the letter of Acceptance, the successful bidder/contractor shall deliver to the employer a performance Security in any of the forms given below for an amount equivalent to **1.00 %** of the contract price for a contract period of **24 Months** plus **120 Months** defect liability period total **144 Months** plus additional security for unbalanced bids in accordance with clause 29.5 of ITB and clause 52 of conditions of contract:

- i) Bank Guarantee in the form given in section 8
- ii) National Savings Certificate / Fixed Deposit Receipts of Nationalised Bank/Scheduled Bank duly hypothecated in name of **Executive Engineer, Public Works Division, Solapur**

**iii) ANNEXURE-I**

- iv) List of Key Plant & Equipment to be deployed on Building & Road Work during the work is in progress.

**v) [Reference Cl.4.4(B)(a)]**

Sr No	Name of machinery	Nos.
9.	Fully Automatic Micro Processor based programmable Logic Controller with supervisory control and Data Acquisition enabled concrete batch Mix plant (pan mixer) Minimum 20 to 30 cum/Hour (owned)	9

२.	Concrete pump Unit (capacity for minmum १५ meter hight and for horizontal ३० to ५० metre ) (owned)	२
३.	Transit Mixer of Minimum ६ cubic metre capacity(owned)	५
४.	Lift Machin/Mechanical Hoist (owned)	१
५.	Arco steel centering plates (owned)	८००० sqm
६	sand Screening and Washing Machinee Minimum capacity ४-६ (owned)	१
७.	water tankar ५००० Ltrs Capacity (owned)	५
८.	Needle Vibrators (owned)	५
९.	Plate Vibrators/screed Vibrators (owned)	१
१०	JCB/Excavator (owned)	१
११	Adjustable Jack props (owned)	८००
१२	Adjustable slab span (owned)	१५०
१३	Truck Tipper (owned)	२
१४	Disel Generator ५२.५ Kva(owned)	१
१५	Water Pumps (owned)	२

## ANNEXURE-II

List of Key Personnel to be deployed on Contract Work [Reference Cl.4.4(B)(b)]

Sr. No.	Contractor's Technical Staff	Qualification and experience	Number of Tech Staff.
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1.	ProjectManager.	BE /B.Tech Civil with Minimum15 Yearsexperience.	1
2.	Project Engineers.	B.E. Civil,with Minimum 10Years experience.	2
3.	SiteEngineer.	Diploma Civil,with Minimum 3Years experience.	4
4.	Electrical Engineer	B.E./ Diploma Electrical with 5 Years experience	1
3.	PlantEngineer.	Diploma / ITI, withMinimum 2Years experience.	2

  
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