

ग्रामीण पाणी पुरवठा विभाग, जिल्हा परिषद सोलापूर

निविदा सुचना सन 2024-2025


कार्यकारी अभियंता, ग्रामीण पाणी पुरवठा विभाग, जिल्हा परिषद सोलापूर हे 15 वा वित्त आयोग जिल्हा परिषद स्तरावरील निधी मधुन मौजे रामवाडी (जिल्हा परिषद शाळेजवळ) तालुका करमाळा गावामध्ये आर.ओ.फिल्टर बसविणे हे काम करणे आहे. अशा प्रकारच्या कामाचा अनुभव असणारे ठेकेदारांकडून निविदा मागविण्यात येत आहेत. कोऱ्या निविदा विक्री दिनांक :- 19/06/2025 रोजी सकाळी 10.00 वाजले पासून दिनांक :- 30/06/2025 रोजी दुपारी 18.00 वाजे पर्यंत यांत्रिकी उपविभाग, जिल्हा परिषद, सोलापूर येथे (शासकीय सुट्टी दिवस वगळून) उपलब्ध राहील.

निविदेचा तांत्रिक लिफाफा दिनांक शक्यतो :- 01/07/2025 रोजी उघडण्यात येईल.

अ. क्र.	कामाचे नांव	अंदाजपत्रकीय रक्कम रुपये	बयाणा रक्कम रुपये	निविदा शुल्क	कामपुर्ण करणेची मुदत	अधिकृत ठेकेदाराचा वर्ग
1	2	3	4	5	6	7
1	मौजे रामवाडी तालुका करमाळा, येथील जिल्हा परिषद शाळेजवळ येथे आर.ओ.फिल्टर बसविणे.	6,21,354/-	6,300/-	200/-	90 दिवस	अशा प्रकारच्या कामाचा अनुभव असणारे ठेकेदार

- उपरोक्त सर्व कामाबाबत निविदा, अटी व शर्ती इत्यादी बाबतचा सर्व तपशिल निविदा संचामध्ये नमुद केलेला असून कोऱ्या निविदा संच उप अभियंता (यांत्रिकी), यांत्रिकी उपविभाग, जिल्हा परिषद सोलापूर येथे मिळतील.
- उपरोक्त तक्त्यातील कामाचे नावासमोर रकाना क्र. 04 मध्ये नमुद केलेल्या बयाणा रक्कम धनाकर्ष मुख्य लेखा वित्त अधिकारी, जिल्हा परिषद सोलापूर च्या नावे तयार करून सदर निविदेतील तांत्रिक लिफाफा कागदपत्रासोबत देणे.
- निविदेच्या अटी शर्ती बदल करणे, प्राप्त निविदापैकी, एक किंवा सर्व निविदा कोणतेही कारण न देता नाकारणेचा हक्क निम्न स्वाक्षरीत यांनी राखून ठेवला आहे.


उप अभियंता (यांत्रिकी)
यांत्रिकी उपविभाग
जिल्हा परिषद सोलापूर


कार्यकारी अभियंता
ग्रामीण पाणी पुरवठा विभाग
जिल्हा परिषद सोलापूर

सविस्तर दरपत्रक सुचना

2024-25

1. सदर संपुर्ण निविदा प्रक्रिया निविदाद्वारे ऑफलाईन पद्धतीने आहे. सदर निविदेसंदर्भातील निविदा नोटीस प्रसिध्द, सुचना, शुध्दीपत्रके इत्यादीची माहिती www.zpsolapur.gov.in या संकेतस्थळावर उपलब्ध आहे.
2. निविदा सोबत खालील बाबी सादर करणे आवश्यक आहे.
(अ) सदर कामाची कोरी निविदा यांत्रिकी उपविभाग जिल्हा परिषद सोलापूर येथून रकाना क्रं. 4 मध्ये नमुद रक्कमेचा राष्ट्रीयकृत बँकेचा धनाकर्ष / धनादेश जमा करण्यात यावे. संपुर्ण भरण्यात आलेले निविदा विहित वेळेत कार्यालयात जमा करावेत.
3. मक्तेदारांनी निविदा खालील प्रमाणे दोन लिफाफा (Two Envelope) मध्ये सादर करणे आवश्यक आहे.

(अ) तांत्रिक लिफाफा

1. निविदा फि रक्कम व निविदेची बयाना रक्कम जि.प.खाली भरणा केल्याच्या मुळ पावती (चलन)
2. फर्म नोंदणी प्रमाणपत्र.
3. **आर.ओ.फिल्टर बसविणे** दोन योजना पुर्ण केलेले कामाचा अनुभव दाखला जोडणे.
4. पॅनकार्डची स्कॅन केलेली प्रत.
5. जी.एस.टी. प्रमाणपत्राची स्कॅन केलेली प्रत.
6. निविदा नोटीस मधील सर्व अटी व शर्ती मान्य असल्याचे हमीपत्र तसेच निविदे सोबत सादर केलेली सर्व माहिती व कागदपत्र खरी असल्याचे व ती संपुर्ण प्रक्रियेच्या (निविदा सादर करणे ते पेमेंट अदा करणे व त्या नंतर) कोणत्याही वेळी खोटी अथवा चुकीची आढळल्यास त्यास संबंधित ठेकेदार / कंत्राटदार स्वतः जबाबदार व कार्यवाईस पात्र राहतील अश्या आशयाचे प्रतिज्ञापत्र 500 रुपये च्या स्टॅम्पवर देणे. (नोटरी / दंडाधिकारी यांचे समक्ष केलेले)


(ब) अर्थिक लिफाफा


- ❖ मक्तेदारांनी आपले दर विहित ठिकाणी मध्ये योग्य त्या जागी भरून सदरची प्रत स्वतंत्र लिफाफा क्रं. 2 मध्ये ठेवून लिफाफा बंद करावेत.
- ❖ लिफाफा क्रं. 1 व लिफाफा क्रं. 2 हे दोन्ही लिफाफा क्रं. 3 मध्ये ठेवावेत.

दरपत्रकाच्या इतर अटी व शर्ती :

1. दरपत्रकाच्या किंमतीत अंदाजपत्रकानुसार साहित्य सर्व करांसहित पुरवठा करणे, उभारणी करणे, वाहतुक, पॅकींग व साहित्य गाडीत भरणे उत्तरविणे, कार्यान्वित करणे इत्यादी समावेश असेल.
2. निविदेतील सर्व साहित्य निविदेतील तांत्रिक निकषानुसार पुरवठा करावयाचे आहे. निविदेतील तांत्रिक निकषानुसार साहित्य नसल्यास ते स्विकारले जाणार नाही. सदरचे आधिकार उप अभियंता (यांत्रिकी) यांना असतील. सदर साहित्य नाकारले गेल्यास त्यांची जबाबदारी पुरवठाधारकाची राहिल.
3. पुरवठादाराचे सोलापूर जिल्ह्यामध्ये सेवा केंद्र (Service Center) असावे.
4. शासन निर्णय क्रं. बीडीजी 2016 / प्र.क्र.2 / इमा 2 दिनांक :- 12/02/2016 अन्वये निविदा प्रक्रियेमध्ये प्राप्त निविदेचा देकार निविदाधिन कामाच्या किंमतीपेक्षा दहा टक्केयांपेक्षा अधिक दराने कमी असेल तर एवढ्या कमी दरात काम करण्याचे नियोजनाबाबत सविस्तर तपशिल सादर करण्यात यावा. तसेच निविदेचा देकार निविदाधिन कामाच्या किंमतीपेक्षा 10 टक्क्यांपर्यंत कमी दराचा असेल तर ठेकेदरांनी निविदाधिन किंमतीच्या 1 टक्के एवढ्या रक्कमेचा धनाकर्ष / धनादेश परफॉर्मन्स सिक्युरिटी म्हणुन निविदेच्या लिफाफा देकार निविदाधिन कामाच्या

- किंमतीपेक्षा 10 टक्के पेक्षा जास्त दराने कमी असेल तर दराने 10 टक्के पेक्षा जेवढ्या दराने कमी आहे. तेवढ्या रक्कमेचा व वरीलप्रमाणे रक्कमेसह एकत्रित धनाकर्ष / धनादेश दराचा लिफाफा उघडल्यावर आठ दिवसात कार्यालयास सादर करणे. (उदा. 14 टक्के कमी दर 10 टक्क्यांपर्यंत 1 टक्का व व 14) - 10 टक्के) - 4 टक्के असे एकूण 5 टक्के)
5. आवश्यक कागदपत्रे / प्रमाणपत्रे सादर करण्यास तांत्रिक अडचणी असल्यास त्याबाबत निविदा स्विकारणे अथवा नाकारणे बाबत अंतिम निर्णय मा. कार्यकारी अभियंता, ग्रामीण पाणी पुरवठा विभाग, जिल्हा परिषद सोलापूर यांचा राहिल.
 6. निविदा / दरमंजूरी झाल्याचे कळविले नंतर निविदा प्रक्रियेतील कमीत कमी मंजूर दरानुसार कामे करण्यास / पुरवठा करण्यास तयार असल्याचे संमतीपत्र, रुपये 500/- किंमतीच्या स्टॅम्प पेपरवर साहित्य पुरवठा तथा अनुषंगीक कामे करण्यास तयार असल्याबाबत जिल्हास्तरावर करारनामा करून 7 दिवसांच्या आत द्यावा लागेल.
 7. सदर काम करताना कोणतीही हानी झाल्यास / अपघात झाल्यास त्याची सर्वस्वी जबाबदारी कंत्राटदाराची राहिल.
 8. अंदाजपत्रकातील साहित्याची तांत्रिक तपासणी उपअभियंता (यां), यांत्रिकी उपविभाग, जिल्हा परिषद सोलापूर यांच्या कार्यालयाकडून करून घेतल्या शिवाय योजनेच्या स्थळी साहित्य आस्थापित करण्यात येऊ नये.
 9. अ) पुरवठा आदेश मिळाले पासून 2 महिन्यांचे आत काम पूर्ण करणे आवश्यक आहे.
ब) जर कंत्राटदाराने विहित मुदतीत आदेशित काम पूर्ण केले नाही तर किंवा विलंबाचा संयुक्तीक खुलासा न केल्यास आदेशीत कामाच्या पैकी बाकी असलेल्या कामाच्या किंमतीच्या अर्धा टक्का प्रति आठवडा या दराने दंड वसूल करण्यात येईल. हा दंड जास्तीत जास्त 5 टक्के रक्कम व अतिरिक्त सुरक्षा रक्कम जप्त करण्यात येईल. त्यानंतर सदरच्या मक्तेदारांचे नांव काळ्या यादीत समाविष्ट करण्यात येईल. पुन्हा फेर निविदा करून काम पूर्ण करण्यात येईल.
 10. देयकातून सुरक्षा रक्कम, आयकर, जी.एस.टी. जिपसेस व इतर सर्व करांची शासकीय नियमानुसार वजावट करून देयक अदा करण्यात येईल.
 11. मक्तेदारांनी कामाचे नकाशे, निविदेतील अटी व शर्तीनुसार Specifications कामाचे स्थळ मंजूर व साहित्याची उपलब्धता या सर्व बाबींचा अभ्यास करून निविदा सादर कराव्यात.
 12. मक्तेदारांनी सादर केलेली निविदा व निविदेतील दर, लिफाफा क्रं. 2 उघडले नंतर 90 दिवसा पर्यंत वैध राहतील.
 13. निविदेतील सर्व वा कोणतीही अटी वा शर्ती पूर्ण न करणाऱ्या मक्तेदाराच्या निविदा व अर्धवट सादर केलेल्या निविदा अपात्र समजल्या जातील.
 14. कोणत्याही अटीवर (Conditional) आधारित दरपत्रके स्विकारल्या जाणार नाहीत अथवा स्विकारल्या तरी मंजूर केल्या जाणार नाहीत.
 15. निविदेच्या अटी व शर्ती मध्ये बदल करणे, प्राप्त निविदा पैकी एक किंवा सर्व निविदा कोणतेही कारण न देता रद्दचा हक्क निम्न स्वाक्षरीत यांनी राखून ठेवला आहे.
 16. संक्षिप्त निविदा सुचना व सविस्तर सुचना निविदा तंत्राचा एक भाग राहिल.
 17. कोणत्याही बाबीसाठी काही तंटा निर्माण झाल्यास त्याबाबत न्यायालयात जाता येणार नाही.


उप अभियंता (यांत्रिकी)
यांत्रिकी उपविभाग
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कार्यकारी अभियंता
ग्रामीण पाणी पुरवठा विभाग
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**Rural Water Supply Division
Zilla Parishad Solapur
Mechanical Sub-Division
Zilla Parishad Solapur**

15Th Finance Commission- Z.P.LEVEL

ESTIMATE FOR

**NAME OF WORK : PROVIDING , SUPPLYING AND COMISSIONING OF
REVERSE OSMOSIS SYSTEM 1000 LITRE PER HOUR WITH SHED**

VILLAGE NAME :	RAMWADI
LOCATION :	NEAR Z.P.SCHOOL
TALUKA :	KARMALA
DIST :	SOLAPUR

ESTIMATED COST RS. 621354.00

Zilla Parishad Solapur
Rural Water Supply Division
Office Of Deputy Engineer (Mech) Sub.Division

NAME OF WORK : PROVIDING , SUPPLYING AND COMISSIONING OF REVERSE OSMOSIS SYSTEM 1000 LITRE PER HOUR WITH SHED

Village Name :- RAMWADI
At :- NEAR Z.P.SCHOOL


Taluka :- KARMALA Dist : SOLAPUR

E S T I M A T E


Qty	Unit	ITEM	Rate	Per	Amount
		ITEM NO.01			
1	Set	Providing, supplying and commissioning of 1000 LPH REVERSE OSMOSIS system with Drinking Water Automatic Dispensing Machine With One Years Warantity	1	Set	256000.00
		The work contains following Items			
		1) Design			
		l) Flow Rate-1000 lit./hour			
		1.Raw Water Tank	1. Quantity	01 Nos	
			2. Moc	HDPE , IS:12701	
			3. Capacity	2000 Lit.	
			4. Accessories	Water Auto Censor	
		2.Raw Water Pump	1. Quantity	01 Nos.	
			2. Make	Kirloskar /Crompton/CRI/ Lubi/ Shakti	
			3. Capacity	1 HP (0.75 KW)	
			4. Head	30 Mtr.	
			5. Discharge	2500 LPH	
			6. Accessories	Auto Cut Solenoid Valve ¾ Inches AC.	
		3. Pressure Sand Filter	1. Quantity	01 Nos	
			2. Vessel	F.R.P.	
			3. Vessel Size	13 X 54 Inch	
			4. Type	Down Flow	
			5. Type Of Media	Silica Sand Multi Grade	
			6. Accessories	Multi Port Valve	
			7. Make	Proton/Aster	
		4. Active Carbon Filter	2. Vessel	F.R.P	
			3. Vessel Size	13 X 54 Inch	
			4. Type	Down Flow	
			5. Type Of Media	Activated Carbon (900 IV)	
			6. Accessories	Multi Port Valve	
		5. Micron Cartridge Filter	1. Quantity	02 Nos(20inch x 4inch dai.) (Big	
			2. Cartridge	5 Micron	
			3. Capacity	0.5 Cum/Hour	
			4. Moc Of Cartridge	Polypropylene	
		6. Antiscalent Dosing System	1. Quantity	01 Nos.	
			2. Type	Electronic Dosing Pump	
			3. Dosing Capacity	6 LPH	
			4. Operating Pressure	2 Kg/sq.cm	
			5. Make	Proton/ E Dose.	
			6. Solution Tank	H.D.P.E.	
			7. Tank Capacity	100 Lit.	
		7. High Pressure Pump	1. Quantity	01 Nos.	
			2. Power	2 HP (1.5 Kw)	
			3. Capacity	1000 LPH	
			4. Flow	3000 LPH	
			5. Make	Crompton Greaves –Tera Flow/CRI/CNP/Leo/Lubi/ Shakti / Groundfos	
			6. Accessories	With Low Pressure Switch.	
		8. Chasis	1. Moc Of Chasis	S.S. Grid Chassis. Fully Machined	
		9. Membranes	1. Quantity	04 Nos.	
			2. Mack Of Vessel	Stainles Steel	
			3. Type Of Membrane	Spirally Wounded	
			4. Membrane	40-40 X 4 Nos.	
			5. Housing	40 X 80 – 2 Nos.	
			5. Capacity	1000 Lit/Hour	
			6. Make	Adwyn Chemicals/DOW/ Hydrounotics	
			7. Accessories	Necessary size of Module And pressure Tube, Auto Flush with 3/4 Inches Solenoid Valve.	

		10. Instrumentation And Electrical Components	1. Type 2. Accessories	Fully Automatic 1. Pressure Gauge-2 Nos 2. Rotameter- 2400 – 1 Nos. 2400 – 1 Nos. 3. Electronic Control Panel Board with			
		11. Piping.	1. Raw Water Tank To Inlet Of High 2. Out Let Of High Pressure Pump To Storage Tank	uPVC S.S.-304 Stainles Steel Piping.			
		12. UV Disinfection Unit	1. Quantity 2. Water Flow Rate	01 Nos. 1000 LPH			
			3. Type 4. Make	Fluorescent Tube ALFA/ Proton			
		13. Pure Water Storage Tank	1.Quantity 2. Type 3. Capacity 4. Moc Of Tank	01 Nos Vertical 2000 Lit. Stainles Steel. Grade.			
		14. Dispense Unit (ATM)	1. Quantity 2. Type 3. Moc of Dispense 4. Make	01 Nos. Multi Coin (Rs.1 & 5) Metal Body And Stainless Steel valves. With 50 Cards. Aster / Proton /etc			
		(As Per Rates Sanctioned By E.E. RWS , Z.P.Solapur on 01.10.2020)					
		Item No.2					
1	Nos	Chiller 2 Tonn Capacity			65000.00	Nos	65000.00
		(As Per Rates Sanctioned By E.E. RWS , Z.P.Solapur on 01.10.2020)					
		Item No.3					
1	Job	Shed for RO Plant			268522.34	Job	268522.34
		(As Per Rate Analysis)					
		Item No.4					
1	Job	Electrification And Wiring			20075.34	Job	20075.34
		(As Per Rate Analysis)					
		Item No.5					
1	Nos	Information board of scheme : 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 18gauge (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 35x35x3mm frame with properly cross braced M.S.angles of size 35mmx35mmx3mm duly painted including Two M.S. angle iron posts of size 65mm x 65mm x 6mm, 3.65m long painted with alternate black and white bands of 25cm width including all fixtures etc. and fixing the boards in 1:4:8 concrete block of size 60cmx60cmx75cm including, excavation, refilling, transportation, and labour etc complete. Spec. No. As directed by Engineer in Charge (DSR Rate 9963 + 18% GST = 11756.34)			11756.34	SqM	11756.34
		PWD DSR 2022-23, Item No.6.36					
					TOTAL RS		621354.02
					SAY		621354.00

Estimate Prepared By


Jr. Engineer (Mech)
Mechanical Sub Division
Zilla Parishad Solapur

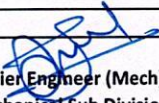
Checked And Submitted By

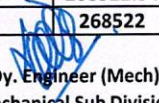

Dy. Engineer (Mech)
Mechanical Sub Division
Zilla Parishad Solapur

Zilla Parishad Solapur
Rural Water Supply Division
Office Of Dy.Engineer(Mech), Mechanical Sub Division.
Rate Analysis For Item No.3 Providing & Erecting Shed for 1000 LPH Reverse Osmosis System Shed.

Items	Qty.	Rate	Per	Amt.
ITEM NO.01				
Excavation for foundation in earth soils 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 as directed dewatering preparing the bed for foundation and necessary back filling ramming watering including shoring and strutting etc complete lift up to 1.50M(Mechanical Means)	6.53	239.00	Cum	1561.63
(P.W.D.S.R. 22-23 Item No.12.02 (a))				
ITEM NO.02				
Providing uncoursed rubble masonry of trap/granite/ quartzite /gneiss stones in cement mortar 1:6 in foundation and plinth of inner walls/ in plinth of external walls including bailing out water manually, striking joints on unexposed faces and watering etc.complete.	9.86	5025.00	Cum	49521.38
PWD DSR 22-23 Item No.28.01				
ITEM NO.03				
Filling in plinth and floors with approved excavated material in 15cm. To 20cm. Layers including watering and compacting etc. complete.	11.35	150.00	Cum	1702.35
MJP DSR 2023-24 Item No.E-17				
ITEM NO.04				
Providing and laying in situ cement concrete in M.10 of trap metal for foundation and bedding including bailing outwait formwork compacting and curing with natural sand etc complete.	1.92	5830.00	Cum	11216.92
(P.W.D D.S.R. 22-23 Item No.24.01)				
ITEM NO.05				
Providing and fabricating structural steel work enrolled sections like joints channel s angles ,tees etc as per detailed design and drawings including fixing in position without connecting plates, braces,etc and one coat of anti corrosive paint and over it two coats of oil painting of approved quality and shade etc.	0.30	101844.00	MT	30137.42
PWD DSR 22-23 Item No.23.01				
ITEM NO.06				
Providing and fixing colour coated Zinc alume (R)AZ150 (min150gms/sq.mt. total on each side) profiled sheets for roofing. The feed material is manufactured out of nominal 0.45 mm Base Metal Thickness (BMT) (0.5mmTCT), Hi-strength steel with min. 550MPa yield strength, metallic hot dip coated with Aluminium-Zinc alloy (55% aluminium 43.4% zinc 1.6% silicon) with COLOR BOND (R) steel quality super durable polyester paint coat (within organic pigment). The paint shall have a total coating thickness of nominal 35um, comprising of nominal 25 um exterior coat on top surface and nominal 10 um reverse coat on back surface. Profile sheet shall have nom. 950-1050 mm effective cover width and nominal 25-30 mm deep ribs with subtle square fluting in the five panat nominal 180-250 mm center-to-center. The end rib shall be designed for anti-capillary groove. and return leg. The feed material should have coil manufacturers product detail smarke da regular interval. Including fasteners with min. fastened with min.25umZinc-Tin alloy coated, Hexhead, self-drilling screw etc.complete. (weight of profile 4.52 Kilogram/ One Square Metre)	60.78	1139.00	Sq.M	69228.42
PWD DSR 22-23 Item No.38.05				
ITEM NO.07				
Providing and fixing rolling shutter fabricated from steellaths of minimum thickness 0.9 mm with lockplate of 3.15mm thickness reinforced with 35x3x5 mm angle section fitted with sliding bolts and handles for both sides, deep M.S.channel section of depth and thickness not less than 65mm and 3.15mm respectively with hold fast arrangements, M.S.Bracket plate 300x300x3.15mm minimum size and shape with square bar, suspensions haft of minimum 32 mm diameter, hood cover of M.S. sheet not less than 0.9mm thickness and of any size at top and safety devices including mechanical gear operation arrangement consisting of worm gear weels and worms of high grade cast iron or mild steel and one coat of red lead primer etc.complete. (I.S. 62481979) (Without mechanical gear)	4.11	4829.00	Sq.M	19847.19
PWD DSR 22-23 Item No.39.24				

Items	Qty.	Rate	Per	Amt.
ITEM NO.08				
Providing and laying Rough Shahabad Stone Flooring 25mm to 30mm thick and of required width in plain/ diamond pattern on a bed of 1:6 C.M. including cement float, striking joints, pointing in cement mortar 1:3 curing and cleaning etc. complete.	16.00	731.00	Sq.M	11696.00
(PWD DSR 2022-23 I.No.33.01)				
ITEM NO.09				
Providing and fixing H.D.P container one piece moulded water tank made out of low density polythylar and built corrugation including of delivery upto destination hoisting and fixing of accessories such as inlet, outlet over flow of all tanks capacity above 1000 to 20,000 litres	2000.00	11.00	Ltr	22000.00
(PWD DSR 2022-23 I.No.42.54)				
ITEM NO.10				
Providing and fixing on walls / ceiling / floor 25 mm dia. uPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipeline if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete.	30.00	355.00	Mtr	10650.00
PWD DSR 2022-23, Item No.42.91				
		TOTAL		227561.30
		Add GST 18%		40961.03
		Gross Total		268522.34
		Say Rs.		268522


 Junior Engineer (Mech)
 Mechanical Sub Division
 Zilla Parishad Solapur



 Dy. Engineer (Mech)
 Mechanical Sub Division
 Zilla Parishad Solapur


Zilla Parishad Solapur
Rural Water Supply Division
Office Of Dy.Engineer(Mech), Mechanical Sub Division.
Name of Work-Providing & Erecting Shed for 1000 LPH Water A.T.M.Machine etc

Measurement sheet

Items	No	Length	Breadth	Depth	Qty.	Unit
ITEM NO.01						
Excavation for foundation in earth soils 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 as directed dewatering preparing the bed for foundation and necessary back filling ramming watering including shoring and strutting etc complete lift up to 1.50M(Mechanical Means)						
For Wall	2.00	4.00	0.45	0.60	2.16	
For Wall	2.00	3.10	0.45	0.60	1.67	
For Pipe Line	1.00	10.00	0.45	0.60	2.70	
			TOTAL		6.53	Cum
ITEM NO.02						
Providing uncoursed rubble masonry of trap/granite/ quartzite /gneiss stones in cement mortar 1:6 in foundation and plinth of inner walls/ in plinth of external walls including bailing out water manually, striking joints on unexposed faces and watering etc.complete.						
For Wall	2.00	4.00	0.45	1.50	5.40	
For Wall	2.00	3.10	0.45	1.50	4.19	
	2.00	1.50	0.30	0.30	0.27	
			TOTAL		9.86	Cum
ITEM NO.03						
Filling in plinth and floors with approved excavated material in 15cm. To 20cm. Layers including watering and compacting etc. complete.						
	1.00	3.10	3.10	0.90	8.65	
For Pipe Line	1.00	10.00	0.45	0.60	2.70	
			TOTAL		11.35	Cum
ITEM NO.04						
Providing and laying in situ cement concrete in M.10 of trap metal for foundation and bedding including bailing outwait formwork compacting and curing with natural sand etc complete.						
For Vertical square Pipe	5.00	0.30	0.30	0.60	0.27	
PCC Above Besment Flooring	1.00	4.00	4.00	0.10	1.60	
	1.00	0.90	0.60	0.10	0.05	
			TOTAL		1.92	Cum
ITEM NO.05						
Providing and fabricating structural steel work enrolled sections like joints channel s angles ,tees etc as per detailed design and drawings including fixing in position without connecting plates, braces,etc and one coat of anti corrosive paint and over it two coats of oil painting of approved quality and shade etc .						
M.S.Sq.Pipe 50x50x2.6mm						
Vertical Column Pipe	5.00	3.65	-	-	18.25	
Perling Pipe Top	1.00	4.00	-	-	4.00	
Wall harizantal Pipe (Wall No.1 to 3)	9.00	4.00	-	-	36.00	
Wall harizantal Pipe (Wall No.4)	3.00	4.00	-	-	12.00	
Wall harizantal Pipe (Wall No.4)	0.00	3.00	-	-	0.00	
				Total	70.25	RMT
		70.25	4.07	Kg/mtr	285.92	KG
		285.92	1000.00		0.29	MT
For Info Board					0.01	
				Total	0.30	


Items	No	Length	Breadth	Depth	Qty.	Unit
ITEM NO.06						
Providing and fixing plane zinc sheeting of 0.80 mm thick (22BWG) over the ridge hip or valley to galvanized iron sheet roofing including all fastening and bolt, galvanized iron screw and bolt and lead and bitumen washers complete(Wt 6.8kg/sqm)						
	4.00	4.00	-	2.90	46.40	
	1.00	4.30	4.30		18.49	
Deduction For Rolling Shutter	1.00		1.50	2.74	4.11	
Total					64.89	
Total Deduction					4.11	
				TOTAL	60.78	Cum
ITEM NO.07						
Providing and fixing rolling shutter fabricated from steellaths of minimum thickness 0.9 mm with lockplate of 3.15mm thickness reinforced with 35x3x5 mm angle section fitted with sliding bolts and handles for both sides, deep M.S.channel section of depth and thickness not less than 65mm and 3.15mm respectively with hold fast arrangements, M.S.Bracket plate 300x300x3.15mm minimum size and shape with square bar, suspensions haft of minimum 32 mm diameter, hood cover of M.S.sheet not less than 0.9mm thickness and of any size at top and safety devices including mechanical gear operation arrangement consisting of worm gear weels and worms of high grade cast iron or mild steel and one coat of red lead primer etc.complete. (I.S. 62481979) (Without mechanical gear)	1.00		1.50	2.74	4.11	
ITEM NO.08						
Providing and laying Rough Shahabad Stone Flooring 25mm to 30mm thick and of required width in plain/ diamond pattern on a bed of 1:6 C.M. including cement float, striking joints, pointing in cement mortar 1:3 curing and cleaning etc. complete.	1.00		4.00	4.00	16.00	Sqm
ITEM NO.09						
Providing and fixing H.D.P container one piece moulded water tank made out of low density polythylar and built corrugation including of delivery upto destination hoisting and fixing of accessories such as inlet, outlet over flow of all tanks capacity above 1000 to 20,000 litres					2000.00	Ltr
ITEM NO.10						
Providing and fixing on walls / ceiling / floor 25 mm dia. uPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipeline if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete.					30.00	Mtr



 Junior Engineer (Mech)
 Mechanical Sub Division
 Zilla Parishad Solapur


 Dy. Engineer (Mech)
 Mechanical Sub Division
 Zilla Parishad Solapur

Zilla Parishad Solapur
Rural Water Supply Division
Office Of Dy.Engineer(Mech), Mechanical Sub Division.
Rate Analysis For Item No.4 .Electrification And Wiring.

Items	Qty.	Rate	Per	Amt.
Item No. 1				
Point wiring in PVC trunking (casing-capping) with 1.5 sq.mm (2+1E) FR grade copper wire, flush type switch, earthing and required accessories as per specification No: WG-PW/SW	6.00	365.00	No	2190.00
PWD Ele DSR 2022-23 Item No.1.7.17)				
Item No. 2				
Wiring for plug on board with Switch socket, copper wiring and earthing as per specification No: WG-PW/SW	2.00	116.00	No	232.00
PWD Ele DSR 2022-23 Item No.1.7.25)				
Item No. 3				
Supplying, erecting & marking DPMCB 6 A to 32 A B- series (for lighting) in provided distribution board as per specification no. SW- SWR/MCB	2.00	535.00	No	1070.00
PWD Ele DSR 2022-23 Item No.5.3.7)				
Item No. 4				
Supplying & erecting mains with 2x1.5 sq.mm. FRLSH copper wire, in 16gauge 20 mm dia. Rigid Steel conduit with continuous GI earth wire of 2.5 sq.mm. as per specification No: WG-MA/MC.	30.00	40.00	Mtr	1200.00
PWD Ele DSR 2022-23 Item No.1.3.1)				
Item No. 5				
Supplying & erecting LED 40W tube light fitting (4 feet) with aluminium housing, heat sink, integrated HF electronic driver complete.	2.00	926.00	No	1852.00
PWD Ele DSR 2021-22 Item No.2.1.23)				
Item No. 6				
Supplying and erecting regular/ standard model ceiling fan of 900 /1050 mm. sweep complete erected in position as per specification no. FG-FN/CF	1.00	2092.00	No	2092.00
PWD Ele DSR 2022-23 Item No.2.11.2)				
Item No. 7				
Supplying and erecting exhaust fan medium duty 230 V A.C. 50 cycles 225 mm. 1400 RPM with condenser complete erected in position with necessary materials. Fan motor with moisture proof treatment and 'E' class insulation.	1.00	2032.00	No	2032.00
PWD Ele DSR 2021-22 Item No.2.10.15)				
Item No. 8				
Supplying & erecting Minimum three & above star rated Centrifugal water pump (Monoblock), 230V, Single phase 50 cycles A.C. supply of 0.375 kW/0.5 HP with discharge 36/9 Litres per Minute (LPM) for head of 6/21m & 25 mm suction/ 25 mm delivery pipe on provided C.C. foundation as per specification No. WP-CGP	1.00	6345.00	No	6345.00
PWD Ele DSR 2022-23 Item No.12-1-1)				
		TOTAL		17013.00
		GST 18%		3062.34
		TOTAL RS.		20075.34


Junior Engineer (Mech)
Mechanical Sub Division
Zilla Parishad Solapur


Dy. Engineer (Mech)
Mechanical Sub Division
Zilla Parishad Solapur

- वाचा :- 1) जिल्हा परिषद व पंचायत समिती लेखा संहिता 1968 मधील नियम क्र.4 चे परिशिष्ट 2
2) महाराष्ट्र शासन, शासन निर्णय क्र. आपना-0222/प्रक्र.292/पापु-15 दि.30/09/2024.
3) मा.मु.का.अ.यांचेकडील प्रशासकीय मान्यता आदेश क्र.6934/2024 दि.25/07/2024.

जा.क्र.उपअभि(यां)/यांउपवि/जिपसो/तांमा/E-455672/2025.

उपअभियंता(यांत्रिकी),
यांत्रिकी उपविभाग, जिल्हा परिषद,
सोलापुर
दिनांक:- 12/08/2025

तांत्रिक मान्यता आदेश

उपरोक्त संदर्भीय क्र.01 चे अधिकार व संदर्भ क्र.02 च्या शासन निर्णयान्वये शासनाने प्रदान केलेल्या शक्तीचा उपयोग करुन मी, उपअभियंता(यांत्रिकी), यांत्रिकी उपविभाग, जिल्हा परिषद, सोलापुर खालील प्रमाणे प्रस्तावित कामास तांत्रिक मान्यता प्रदान करत आहे.

अ क्र	गाव / तालुका / ठिकाण		कामाचे विवरण	योजना	संख्या	अंदापत्रकीय खर्चाची रक्कम रुपये
1	गाव	रामवाडी	आर ओ प्रकल्प उभारणी करणे	15 वा वित्त आयोग - जि.प.स्तर	01	621354.00
	तालुका	करमाळा				
	ठिकाण	जिल्हा परिषद शाळेजवळ				
एकुण :-						621354.00

(अक्षरी रक्कम रुपये सहा लाख एकविस हजार तीनशे चोपन्न फक्त)

उपअभियंता(यांत्रिकी)
यांत्रिकी उपविभाग,
जिल्हा परिषद, सोलापुर.

प्रती,
सरपंच / ग्रामसेवक,
ग्रामपंचायत कार्यालय, रामवाडी, तालुका करमाळा
प्रत,
गट विकास अधिकारी, पंचायत समिती, करमाळा यांना माहीतीस्तव सविनय सादर.

Zilla Parishad Solapur
Rural Water Supply Division
Office Of Deputy Engineer (Mech) Sub.Division

NAME OF WORK : PROVIDING , SUPPLYING AND COMISSIONING OF REVERSE OSMOSIS SYSTEM 1000 LITRE PER HOUR WITH SHED

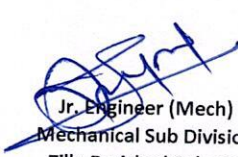
Village Name :- RAMWADI
At :- NEAR Z.P.SCHOOL

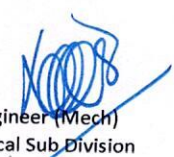
Taluka :- KARMALA Dist : SOLAPUR

BOQ

Qty	Unit	ITEM	Rate	Per	Amount
		ITEM NO.01			
1	Set	Providing, supplying and commissioning of 1000 LPH REVERSE OSMOSIS system with Drinking Water Automatic Dispensing Machine With One Years Warantity	256000.00	Set	256000.00
		Item No.2			
1	Nos	Chiller 2 Tonn Capacity	65000.00	Nos	65000.00
		Item No.3			
		Shed for RO Plant			
		ITEM NO.01			
6.53	Cum	Excavation for foundation in earth soils 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 as directed dewatering preparing the bed for foundation and necessary back filling ramming watering including shoring and strutting etc complete lift up to 1.50M(Mechanical Means)	239.00	Cum	1561.63
		ITEM NO.02			
9.86	Cum	Providing uncoursed rubble masonry of trap/granite/ quartzite /gneiss stones in cement mortar 1:6 in foundation and plinth of inner walls/ in plinth of external walls including bailing out water manually, striking joints on unexposed faces and watering etc.complete.	5025.00	Cum	49521.38
		ITEM NO.03			
11.35	Cum	Filling in plinth and floors with approved excavated material in 15cm. To 20cm. Layers including watering and compacting etc. complete.	150.00	Cum	1702.35
		ITEM NO.04			
1.92	Cum	Providing and laying in situ cement concrete in M.10 of trap metal for foundation and bedding including bailing outwait formwork compacting and curing with natural sand etc complete.	5830.00	Cum	11216.92
		ITEM NO.05			
0.30	MT	Providing and fabricating structural steel work enrolled sections like joints channel s angles ,tees etc as per detailed design and drawings including fixing in position without connecting plates, braces,etc and one coat of anti corrosive paint and over it two coats of oil painting of approved quality and shade etc.	101844.00	MT	30137.42
		ITEM NO.06			
60.78	Sq.M	Providing and fixing colour coated Zinc alumne (R)AZ150 (min150gms/sq.mt. total on each side) profiled sheets for roofing. The feed material is manufactured out of nominal 0.45 mm Base Metal Thickness (BMT) (0.5mmTCT), Hi-strength steel with min. 550MPa yield strength, metallic hot dip coated with Aluminium-Zinc alloy (55% aluminium 43.4% zinc 1.6% silicon) with COLOR BOND (R) steel quality super durable polyester paint coat (within organic pigment). The paint shall have a total coating thickness of nominal 35um, comprising of nominal 25 um exterior coat on top surface and nominal 10 um reverse coat on back surface. Profile sheet shall have nom. 950-1050 mm effective cover width and nominal 25-30 mm deep ribs with subtle square fluting in the five panat nominal 180-250 mm center-to-center. The end rib shall be designed for anti-capillary groove. and return leg. The feed material should have coil manufacturers product detail smark da regular interval. Including fasteners with min. fastened with min. 2.5umZinc-Tin alloy coated, Hexhead, self-drilling screw etc.complete. (weight of profile 4.52 Kilogram/ One Square Metre)	1139.00	Sq.M	69228.42
		ITEM NO.07			
4.11	Sq.M	Providing and fixing rolling shutter fabricated from steellaths of minimum thickness 0.9 mm with lockplate of 3.15mm thickness reinforced with 35x3x5 mm angle section fitted with sliding bolts and handles for both sides, deep M.S.channel section of depth and thickness not less than 65mm and 3.15mm respectively with hold fast arrangements, M.S.Bracket plate 300x300x3.15mm minimum size and shape with square bar, suspensions haft of minimum 32 mm diameter, hood cover of M.S. sheet not less than 0.9mm thickness and of any size at top and safety devices including mechanical gear operation arrangement consisting of worm gear wheels and worms of high grade cast iron or mild steel and one coat of red lead primer etc.complete. (I.S. 62481979) (Without mechanical gear)	4829.00	Sq.M	19847.19
		ITEM NO.08			
16.00	Sq.M	Providing and laying Rough Shahabad Stone Flooring 25mm to 30mm thick and of required width in plain/ diamond pattern on a bed of 1:6 C.M. including cement float, striking joints, pointing in cement mortar 1:3 curing and cleaning etc. complete.	731.00	Sq.M	11696.00
		ITEM NO.09			
2000.00	Ltr	Providing and fixing H.D.P container one piece moulded water tank made out of low density polythyer and built corrugation including of delivery upto destination hoisting and fixing of accessories such as inlet, outlet over flow of all tanks capacity above 1000 to 20,000 litres	11.00	Ltr	22000.00
		ITEM NO.10			
30.00	Mtr	Providing and fixing on walls / ceiling / floor 25 mm dia. uPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipeline if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete.	355.00	Mtr	10650.00
		Total Of Item No3			227561.30
		Add Gst 18%			40961.03
		Total Of Item No3			268522.34
		Item No.4			
		Electrification And Wiring			
		Item No. 1			
6.00	No	Point wiring in PVC trunking (casing-capping) with 1.5 sq.mm (2+1E) FR grade copper wire, flush type switch, earthing and required accessories as per specification No: WG-PW/SW	365.00	No	2190.00
		Item No. 2			
2.00	No	Wiring for plug on board with Switch socket, copper wiring and earthing as per specification No: WG-PW/SW	116.00	No	232.00
		Item No. 3			
2.00	No	Supplying, erecting & marking DPMCB 6 A to 32 A B- series (for lighting) in provided distribution board as per specification no. SW- SWR/MCB	535.00	No	1070.00
		Item No. 4			
30.00	Mtr	Supplying & erecting mains with 2x1.5 sq.mm. FRLSH copper wire, in 16gauge 20 mm dia. Rigid Steel conduit with continuous GI earth wire of 2.5 sq.mm. as per specification No: WG-MA/MC.	40.00	Mtr	1200.00
		Item No. 5			
2.00	No	Supplying & erecting LED 40W tube light fitting (4 feet) with aluminium housing, heat sink, integrated HF electronic driver complete.	926.00	No	1852.00
		Item No. 6			

1.00	No	Supplying and erecting regular/ standard model ceiling fan of 900 /1050 mm. sweep complete erected in position as per specification no. FG-FN/CF	2092.00	No	2092.00
		Item No. 7			
1.00	No	Supplying and erecting exhaust fan medium duty 230 V A.C. 50 cycles 225 mm. 1400 RPM with condenser complete erected in position with necessary materials. Fan motor with moisture proof treatment and 'E' class insulation.	2032.00	No	2032.00
		Item No. 8			
1.00	No	Supplying & erecting Minimum three & above star rated Centrifugal water pump (Monoblock). 230V, Single phase 50 cycles A.C. supply of 0.375 kW/0.5 HP with discharge 36/9 Litres per Minute (LPM) for head of 6/21m & 25 mm suction/ 25 mm delivery pipe on provided C.C. foundation as per specification No. WVP-CGP	6345.00	No	6345.00
			Total Of Item no 4		17013.00
			Add Gst 18%		3062.34
		Item No.5	Total Of Item no 4		20075.34
1	Nos	Information board of scheme : 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 18gauge (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 35x35x3mm frame with properly cross braced M.S.angles of size 35mmx35mmx3mm duly painted including Two M.S. angle iron posts of size 65mm x 65mm x 6mm, 3.65m long painted with alternate black and white bands of 25cm width including all fixtures etc. and fixing the boards in 1:4:8 concrete block of size 60cmx60cmx75cm including, excavation, refilling, transportation, and labour etc complete. Spec. No. As directed by Engineer in Charge (DSR Rate 9963 + 18% GST = 11756.34)	11756.34	SqM	11756.34
			TOTAL RS		621354.02
			SAY		621354.00


 Jr. Engineer (Mech)
 Mechanical Sub Division
 Zilla Parishad Solapur


 Dy. Engineer (Mech)
 Mechanical Sub Division
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