

# ग्रामीण पाणी पुरवठा विभाग, जिल्हा परिषद सोलापूर


## निविदा सुचना सन 2024-2025

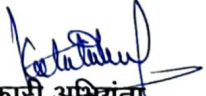
कार्यकारी अभियंता, ग्रामीण पाणी पुरवठा विभाग, जिल्हा परिषद सोलापूर हे 15 वा वित्त आयोग जिल्हा परिषद स्तरावरील निधी मधुन 1) मौजे अर्धनारी (माने वस्ती) 2) मौजे सोहाळे (जगताप वस्ती येणकी रस्ता) तालुका मोहोळ गावामध्ये ड्युअल पंप बसविणे हे काम करणे आहे. अशा प्रकारच्या कामाचा अनुभव असणारे ठेकेदारांकडून निविदा मागविण्यात येत आहेत. कोऱ्या निविदा विक्री दिनांक :- 13 / 08 / 2024 रोजी सकाळी 10.00 वाजले पासून दिनांक :- 21 / 08 / 2024 रोजी दुपारी 18.00 वाजे पर्यंत यांत्रिकी उपविभाग, जिल्हा परिषद, सोलापूर येथे (शासकीय सुट्टी दिवस वगळुन) उपलब्ध राहिल.

निविदेचा तांत्रिक लिफाफा दिनांक :- 22 / 08 / 2024 रोजी उघडण्यात येईल.

अ. क्र.	कामाचे नांव	अंदाजपत्रकीय रक्कम रुपये	बयाणा रक्कम रुपये	कामपुर्ण करणेची मुदत	अधिकृत ठेकेदाराचा वर्ग
1	2	3	4	5	6
1	1) मौजे अर्धनारी (माने वस्ती) 2) मौजे सोहाळे (जगताप वस्ती) तालुका मोहोळ, येथे ड्युअल पंप बसविणे.	4,24,935/-	4,500/-	60 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 क्रं. 04 मध्ये नमुद केलेल्या बयाणा रक्कम धनाकर्ष मुख्य लेखा वित्त अधिकारी, जिल्हा परिषद सोलापूर च्या नांवे तयार करुन 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 राखुन 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 पध्दतीने आहे. सदर निविदेसंदर्भातील निविदा नोटीस प्रसिध्द, सुचना, शुध्दीपत्रके इत्यादीची माहिती [www.zpsolapur.gov.in](http://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. शॉप अॅक्ट नोंदणी / उद्योग आधार नोंदणी प्रमाणपत्र / फर्म नोंदणी प्रमाणपत्र.
3. ड्युअल पंप 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 100 रुपये च्या स्टॅम्पवर देणे.


## (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. सदर कामाचा पुरवठादार शक्यतो सोलापूर जिल्हयातील असावा अथवा पुरवठादाराचे सोलापूर जिल्हयामध्ये 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 आधिक दराने कमी असेल तर एवढ्या कमी दराने काम करण्याचे नियोजनाबाबत सविस्तर तपशिल सादर करण्यात यावा. तसेच निविदेचा देकार निविदाधिन कामाच्या किंमतीपेक्षा 10 टक्केयांपर्यंत

- कमी दरचा असेल तर ठेकेदरांनी निविदाधिन किंमतीच्या 1 टक्के एवढ्या रक्कमेचा धनाकर्ष / धनादेश परफॉर्मन्स सिक्युरिटी म्हणून 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 दरचा लिफाफा उघल्यावर 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 दिवसाच्या आत दयावा 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 आदेशित 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. देयकातुन 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 बाबीचा अभ्यास करून निविदा सादर कराव्यात.
  12. मक्तेदारांनी सादर केलेली निविदा व निविदेतील दर, लिफाफा क्रं. 2 उघडले नंतर 90 दिवसा पर्यंत वैध राहिल.
  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  
जिल्हा परिषद सोलापूर

  
कार्यकारी अभियंता  
ग्रामीण-पाणी पुरवठा विभाग  
जिल्हा परिषद सोलापूर

**DY ENGINEER (MECH)**  
**MECHANICAL SUB DIVISION,**  
**ZILLA PARISHAD, SOLAPUR**

**2024-25**

**15 TH FINANCE COMMISSION**  
**ZPLEVEL**

**ESTIMATE FOR**

**Village Name. : ARDHANARI**

**Location. : MANE WASTI**

**Taluka. : MOHOL**

**Dist. SOLAPUR**

**Name of work :-**

**Implementation of Solar Energy based Dual pump mini water supply  
scheme**

**ESTIMATED COST RS.      224977.00**

Name of work :-

**Implementation of Solar Energy based Dual pump mini water supply scheme**

Village Name. : ARDHANARI

Location – MANE WASTI

Taluka. : MOHOL

Dist. Solapur

**Solar Dual Pump Estimate**

Qty. 1	Item of work 2	Rate 3	Unit 4	Amount 5
1.00	ITEM NO.1 Removal & installation of handpump at the time of installation of dual PUMP. (GSDA Rates 2023-24 dated 4.10.2023)	1467.00	Job	1467.00
1.00	ITEM NO.2 Supplying, Installing, Testing and commissioning of 1 HP capacity AC/DC Solar water pump (SPV pump), comprising of min. 1 KWp capacity multi crystalline SPV modules mounted on GI /MS Structure with necessary hardware with controller, suitable size HDPE delivery water pipe line up to 60mtr length inside or above water tank/borewell with necessary control valves and necessary power supply cable of appropriate size complete. With 5 years on site performance warranty as per specification no.ESD - (As Per GOI MNRE Letter No.32/24/2020 Dated 04/09/23)	104076.00	Job	104076.00
1.00	ITEM NO.3 Providing & fixing of special water chamber for dual pump (GSDA Rates 2023-24 dated 4.10.2023)	1949.00	Job	1949.00
4.00	ITEM NO.4 Providing & fixing Garware Wire rope 10 mm (Market Rate) (Market Rate)	200.00	Kg	800.00
2.39	ITEM NO.5 Excavation for foundation / pipe trenches in hard murum including removing the excavated material upto a distance of 50 M and lifts as below, stacking and spreading as directed by Engineer-in-charge, normal dewatering, preparing the bed for foundation and excluding backfilling, etc. complete. (MJP DSR 2023-24 ,Section E -I.No.2)	187.00	Cum	446.84
1.82	ITEM NO.6 Refilling the trenches with available excavated stuff with soft material first over pipeline and then hard material in 15 cm layers with all leads and lifts including consolidation, surcharging, etc. complete. (MJP DSR 2023-24 ,Section E. I.No.15)	92.00	Cum	167.67
1.04	ITEM NO.7 Providing and laying in situ Cement Concrete M-15 of trap/ granite / quartzite / gneiss metal for foundation and bedding including bailing out water, form work, compaction, curing, etc. complete. (Cement 5.90 bags / cum) b) In PCC M-150 (MJP DSR 2023-24 ,Section G - I.No. - 1(b))	5881.00	Cum	6113.30
1.00	ITEM NO.8 Ball cock for 25mm dia. (PWD DSR 2022-2023 P.No.538 (Building Bd-V) Sr.No.290)	333.00	No	333.00
3.00	ITEM NO.9 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 pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete (PWD DSR 2022-2023 P.No.284 I.No.42.91 Sr.No.1462)	355.00	Rmt	1065.00
1.00	ITEM NO.10 Supplying and erecting high density polythene pipe ISI mark 32 mm dia. suitable for pressure of 6 kg/cm2 connected to jet / submersible pump with required material complete. (PWD ELE DSR 2023-24 I.No. 16-5-16 )	60.00	Rmt	60.00

Qty: 1	Item of work 2	Rate 3	Unit 4	Amount 5
0.187	ITEM NO.11 Providing structural steel work in trusses, other similar trussed purlins and members with all bracing, gusset plates, etc. as per detailed design and drawing or as directed by Engineer - in - charge including cutting, fabricating, hoisting, erecting and fixing in position, making riveted bolted / welded connections and one coat of anticorrosive paint and over it two coats of oil painting, etc complete  (MJP DSR 2023-24 ,Section F- I.No.6)	114390.00	MT	21390.93
1500.00	ITEM NO.12 Providing and fixing H.D.P.E. container Syntex or alike one piece moulded water tank made out of low density polythylar and built corrugation including of delivery up to destination hoisting and fixing of accessories such as inlet, outlet overflow of all tanks capacity  (PWD DSR 2022-2023 P.No.280, I.No.42.54 ,Sr.No.1425)	11.00	Rmt	16500.00
1.00	ITEM NO.13 <u>For Outlet of tank</u> :Providing and fixing on walls / ceiling / floor 50 mm dia. uPVC pipe with necessary fittings, remaking good the demolished portion etc. complete.  (PWD DSR 2022-2023 P.No.284 I.No.42.91 Sr.No.1462)	722.00	Rmt	722.00
1.00	ITEM NO.14 Ball valves for 50mm dia.( Brass/Gun Metal )  (PWD DSR 2022-2023 P.No.538 (Building Bd-V) Sr.No.294)	1597.00	No	1597.00
10.00	ITEM NO.15 <u>For Distribution</u> - Providing and supplying and laying, in standard length ISI mark rigid unplasticized PVC Pipe suitable for potable water with solvent cement joint including cost of couplers as per IS specificati on no 4985/1988 including all local & central taxes, transportation, freight charges, inspection charges, loading, un loading, convence to the depa rtmental stores/ site & stacking the same in closed shed duly protected from sunrays & rains including cost of jointing material i.e. solvent cement etc. complete 63 mm Dia. 6 kg/sqcm. (115+29=144)  (MJP DSR 2023-24 Section I (II) B- i and Section.I(II) 4 b - i laying	144.00	MTR	1440.00
1.00	ITEM NO.16 Providing & constructing two taps stand post as per type design with excavation 15 cm thick PCC 1:3:6 bedding 20mm thick PCC 1:4 concrete for platform of 1.75 m.dia with side curb and bucket rest,80 mm dia, hevay duty GI pipe central post duly folled therein with CC 1:2:4 , 5m. Long 20mm dia. Medium GI pipe from point of tapping to standpost, additional 20 mm dia GI pipe fixed vertically upto 15mm dia. Self closing water taps, one brass, ferrule, etc.complete together with all labour and material charges as per drawing and as directed by Engineer-in-charge when good foundation is available. Rate excluding draining arrangement by excavating open gutters.  (MJP DSR 2023-24, Sction H I.No.12)	9609.00	No	9609.00
8.00	ITEM NO.17 Providing and erecting chain link fencing 1.6 M. height with G.I. Chain link of size 50 x 50 mm, 8 gauge thick and fixed 75 mm aboveground level on vertical M.S. Angles of 40 x 40 x 6 mm size, including excavating pits for foundation and embedded in C.C. block of 1:4:8 mix of size 450 x 450 x 670 mm. at 1.75 M.c/c with iron bar 16mm dia as hold fast including welding link with angle frame at 30 cm c/c with nuts and bolts and horizontal M.S. Angles at top and bottom of 25 x 25 x 5 mm size and vertical M.S. flat 35 x 5 mm and 25 x 5 mm horizontal including cross support of 40 x 40 x 6 mm angles both side at every corner or bend embedded in concrete blocks of 1:4:8 of size 450 x 450 x 670 mm including 3 coats of oil painting etc.complete  (PWD DSR 2022-2023 P.No.298, I. No.46.39 Sr.No.1575)	2539.00	Rmt.	20312.00
1.00	ITEM NO.18 Supplying & erecting Water level controller 230/ 415V AC., Four way for under ground & Over head tank operation  (PWD ELE. DSR 2023-24 I. No.12-4-15)	1305.00	No	1305.00

Qty. 1	Item of work 2	Rate 3	Unit 4	Amount 5
	<b>ITEM NO.19</b>			
5.00	Supplying and erecting mains with 2x4 sq.mm FRLSH copper PVC insulated wire laid in provided conduit/trunking/inside pole/Bus bars or any other places.as per specification No: WG-MA/BW (PWD ELE. DSR 2023-24, Item no.1:3-3 )	99.00	mtr	495.00
	<b>ITEM NO.20</b>			
0.54	Material & labour for vinyl painting of matter given by dept. in diff. colour as per R.C (GSDA /SOLAR PUMP /RC /F- NO 25/834/2013-14 dt 1.3.2014)	1500.00	Sqm	810.00
				TOTAL RS. 190658.74
				Add GST 18 % 34318.57
				TOTAL RS. 224977.31
				SAY RS 224977.00

Prepared by

  
 Sr. Engr./ Sect.Engr.  
 Mech. Sub-Division Z.P.  
 SOLAPUR

  
 Deputy Engineer (Mech.)  
 Mech. Sub-Division Z.P.  
 SOLAPUR

Name of work :-  
Implementation of Solar Energy based Dual pump mini water supply scheme

## MEASUREMENT

### ITEM NO.1

Removal & installation of handpump at the time of installation of dual pump

= 1.00 Job

### ITEM NO.2

Supplying, Installing, Testing and commissioning of 1 HP capacity AC/DC Solar water pump (SPV pump), comprising of min. 1 KWp capacity multi crystalline SPV modules mounted on GI /MS Structure with necessary hardware with controller, suitable size HDPE delivery water pipe line up to 60mtr length inside or above water tank/ borewell with necessary control valves and necessary power supply cable of appropriate size complete. With 5 years on site performance warranty as per specification no.ESD - SWPS

= 1.00 Job

### ITEM NO.3

Providing & fixing of special water chamber for dual pump

= 1.00 Job

### ITEM NO.4

Providing & fixing Garware Wire rope 10 mm (Market Rate)

= 4.00 Kg

### ITEM NO.5

Excavation for foundation / pipe trenches in hard murum including removing the excavated material upto a distance of 50 M and lifts as below, stacking and spreading as directed by Engineer-in-charge, normal dewatering, preparing the bed for foundation and excluding backfilling, etc, complete.

For Tank Steel Structures

M.		M.		M.	No.					
0.45	x	0.45	x	0.45	4.00	=	0.36	Cum		
Excavation for pipeline										
M.		M		M						
0.45	x	0.50	x	9.00			2.03			
							Total	=	2.39	Cum
							Say	=	2.39	Cum

### ITEM NO.6

Refilling the trenches with available excavated stuff with soft material first over pipeline and then hard material in 15 cm layers with all leads and lifts including consolidation, surcharging, etc. complete.

M.		M.		M.						
0.45	x	0.45	x	9.00			1.82			
							Total	=	1.82	Cum
							Say	=	1.82	Cum

### ITEM NO.7

Providing and laying in situ Cement Concrete M-15 of trap/ granite / quartzite / gneiss metal for foundation and bedding including bailing out water, form work, compaction, curing, etc. complete. (Cement 5.90 bags / cum)

a) For Tank Steel Structures

M.		M.		M.	No.			
0.45	x	0.45	x	0.45	4.00	=	0.36	Cum

b) In PCC M-150

M.		M.		M.						
3.00	x	3.00	x	0.08			0.68	Cum		
							Total	=	1.04	Cum
							Say	=	1.04	Cum



**ITEM NO.8**

Ball cock for 25mm dia. = 1.00 No.

**ITEM NO.9**

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 pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete

= 3.00 Rmt

**ITEM NO.10**

Rising Main : For Inlet of tank Supplying and erecting ISI mark G.I. pipe 25 mm. dia. 'B' class at position with accessories. As per specification no.CW-PLB/GP

= 1.00 Rmt

**ITEM NO.11**

Providing structural steel work in trusses, other similar trussed purlins and members with all bracing, gusset plates, etc. as per detailed design and drawing or as directed by Engineer - in - charge including cutting, fabricating, hoisting, erecting and fixing in position, making riveted bolted / welded connections and one coat of anticorrosive paint and over it two coats of oil painting, etc. complete

**1) Tank base Frame**

Angle 50x50x6

Weight 4.50 kg/Mtr.

M.		No.	=	M.	x	Kg./M.	=	25.20	Kg
1.40	x	4.00	=	5.60	x	4.50	=		

**2) Vertical legs**

Angle 75x75x6

Weight 6.80 kg/Mtr.

M.		No.	=	M.	x	Kg./M.	=	54.40	Kg
2.00	x	4.00	=	8.00	x	6.80	=		

**3) Supporting frame below tank base frame**

Angle 40x40x6

Weight 3.50 kg/Mtr.

M.		No.	=	M.	x	Kg./M.	=	29.40	Kg
1.40	x	6.00	=	8.40	x	3.50	=		

**3) Cross Supports For Tank Base Frame**

Angle 50x50x6

Weight 4.50 kg/Mtr.

M.		No.	=	M.	x	Kg./M.	=	36.00	Kg
1.00	x	8.00	=	8.00	x	4.50	=		

**7) Tank base sheet**

M.S.Sheet 3.12 mm thick

Weight 16 kg/Sqm

M.		No.	=	M.	x	Kg./M.	=	31.36	Kg
1.40	x	1.40	=	1.96	x	16.00	=		

**8) Nut bolts**

Total = 178.36 Kg

= 8.92 Kg

Add 5% Wastage

Total = 187.28 Kg

= 0.187 MT

187.28 / 1000

Say = 0.187 MT

**ITEM NO.12**

Providing and fixing H.D.P container Syntex or alike one piece moulded water tank made out of low density polythylene and built corrugation including of delivery up to destination hoisting and fixing of accessories such as inlet, outlet overflow of all tanks capacity above 1000 to 20,000 litres = 1500.00 Litrs.

**ITEM NO.13**

For Outlet of tank :Providing and fixing on walls/ ceiling/ floor 50 mm dia. CPVC pipe with necessary fittings, remaking good the demolished portion etc. conveying and stacking the same in PWD chowky or as directed etc.complete

**ITEM NO.14**

Ball valves for 50mm dia.

= 1.00 Rmt

**ITEM NO.15**

For Distribution - Providing and supplying and laying, in standard length ISI mark rigid unplasticized PVC Pipe suitable for potable water with solvent cement joint including cost of couplers as per IS specification no 4985/1988 including all local & central taxes, transportation, freight charges, inspection charges, loading, unloading, conveyance to the departmental stores/ site & stacking the same in closed shed duly protected from sunrays & rains including cost of jointing material i.e. solvent cement etc. complete 63 mm Dia. 6 kg/sqcm.

= 1.00 No.

**ITEM NO.16**

Providing & constructing two taps stand post as per type design with excavation 15 cm thick PCC 1:3:6 bedding 20mm thick PCC 1:4 concrete for platform of 1.75 m.dia with side curb and bucket rest, 80 mm dia, heavy duty GI pipe central post duly flanged therein with CC 1:2:4, 5m. Long 20mm dia. Medium GI pipe from point of tapping to standpost, additional 20 mm dia GI pipe fixed vertically upto 15mm dia. Self closing water taps, one brass, ferrule, etc. complete together with all labour and material charges as per drawing and as directed by Engineer-in-charge when good foundation is available. Rate excluding draining arrangement by excavating open gutters.


= 10.00 Rmt

**ITEM NO.17**

Providing and erecting chain link fencing 1.6 M. height with G.I. chain link of size 50 x 50 mm, 8 gauge thick and fixed 75 mm above ground level on vertical M.S. Angles of 40 x 40 x 6 mm size, including excavating pits for foundation and embedded in C.C. block of 1:4:8 mix of size 450 x 450 x 670 mm. at 1.75 M. c/c with iron bar 16mm dia as hold fast including welding link with angle frame at 30 cm c/c with nuts and bolts and horizontal M.S. Angles at top and bottom of 25 x 25 x 5 mm size and vertical M.S. flat 35 x 5 mm and 25 x 5 mm horizontal including cross support of 40 x 40 x 6 mm angles both side at every corner or bend embedded in concrete blocks of 1:4:8 of size 450 x 450 x 670 mm including 3 coats of oil painting etc.complete

= 1.00 No.

Say = 10.00 Rmt.

  
**Junior Engineer (Mech)**  
Mechanical Sub Division,  
Zilla Parishad, Solapur

  
**Deputy Engineer**  
Mechanical Sub. Div.  
Zilla Parishad, Solapur

- वाचा :- 1. जिल्हा परिषद व पंचायत समिती लेखा संहिता 1968 मधील नियम क्र. 04 चे परिशिष्ट 2  
 2. महाराष्ट्र शासन, शासन निर्णय क्र. झेडपीए 2012 / प्र.क्र. 680 / वित्त - 09 / दिनांक :- 31 / 01 / 2018.  
 3. मा. उप.मु.का.अ. (ग्रा.पं) जि.प.सोलापूर यांच्या कडील प्रशासकीय मान्यता क्र. 778 /2021 दि.03/12/2021

जा.क्र. उप अभियंता (यां)/याउचि/जिपसो/तांगा /E-676 /2024

उप अभियंता (यांत्रिकी), यांत्रिकी उपविभाग,

जिल्हा परिषद सोलापूर


दिनांक :- 27/06/2024

**तांत्रिक मान्यता आदेश :-**

उपरोक्त संदर्भीय क्रं. 01 चे अधिकार व संदर्भीय क्रं. 02 च्या शासन निर्णयान्वये शासनाचे प्रदान केलेल्या शक्तीचा उपयोग करून मी, उप अभियंता (यांत्रिकी), यांत्रिकी उपविभाग जिल्हा परिषद सोलापूर खालील प्रमाणे प्रस्तावित कामास तांत्रिक मान्यता प्रदान करत आहे.

अ.क्र.	गाव / तालुका / ठिकाण		कामाचे विवरण	योजना	संख्या	अंदाजपत्रीय खर्चाची रक्कम रुपये
	गाव	अर्धनारी	ड्युअल पंप बसविणे	15 वा वित्त आयोग जि.प.स्तर 2020-21	1	2,24,977.00
	तालुका	मोहोळ				
	ठिकाण	माने वस्ती				
एकूण :-						2,24,977.00

अक्षरी :- दोन लक्ष चोवीस हजार नऊशे सत्याहतर रुपये फक्त

  
 उप अभियंता (यांत्रिकी)  
 यांत्रिकी उपविभाग  
 जिल्हा परिषद सोलापूर

प्रति,

सरपंच / ग्रामसेवक

ग्रामपंचायत कार्यालय, अर्धनारी  
 मा.गट विकास अधिकारी पंचायत समिती

तालुका  
 मोहोळ

मोहोळ  
 यांना माहिती व उचित कार्यवाहीस्तव.

**DY ENGINEER (MECH)**  
**MECHANICAL SUB DIVISION,**  
**ZILLA PARISHAD, SOLAPUR**

**2024-25**

**15 TH FINANCE COMMISSION**  
**Z.P.LEVEL**

**ESTIMATE FOR**

Village Name. : SOHALE

Location. : JAGTAP WASTI, YENAKI ROAD

Taluka. : MOHOL

Dist. SOLAPUR

Name of work :-

Implementation of Solar Energy based Dual pump mini water supply  
scheme

**ESTIMATED COST RS. 199958.00**

Name of work :-

**Implementation of Solar Energy based Dual pump mini water supply scheme**

Village Name. : SOHALE

Taluka. : MOHOL

Location – JAGTAP WASTI,  
YENAKI ROAD.

Dist. Solapur

**Solar Dual Pump Estimate**

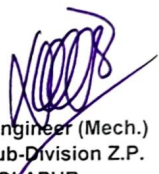
Qty. 1	Item of work 2	Rate 3	Unit 4	Amount 5
	<b>ITEM NO.1</b>			
1.00	Removal & installation of handpump at the time of installation of dual PUMP. (GSDA Rates 2023-24 dated 4.10.2023)	1467.00	Job	1467.00
	<b>ITEM NO.2</b>			
1.00	Supplying, Installing, Testing and commissioning of 1 HP capacity AC/DC Solar water pump (SPV pump), comprising of min. 1 KWp capacity multi crystalline SPV modules mounted on GI /MS Structure with necessary hardware with controller, suitable size HDPE delivery water pipe line up to 60mtr length inside or above water tank/borewell with necessary control valves and necessary power supply cable of appropriate size complete. With 5 years on site performance warranty as per specification no.ESD - (As Per GOI MNRE Letter No.32/24/2020 Dated 04/09/23)	104076.00	Job	104076.00
	<b>ITEM NO.3</b>			
1.00	Providing & fixing of special water chamber for dual pump (GSDA Rates 2023-24 dated 4.10.2023)	1949.00	Job	1949.00
	<b>ITEM NO.4</b>			
5.00	Providing & fixing Garware Wire rope 10 mm (Market Rate) (Market Rate)	200.00	Kg	1000.00
	<b>ITEM NO.5</b>			
6.75	Excavation for foundation / pipe trenches in hard murum including removing the excavated material upto a distance of 50 M and lifts as below, stacking and spreading as directed by Engineer-in-charge, normal dewatering, preparing the bed for foundation and excluding backfilling, etc. complete. (MJP DSR 2023-24 ,Section E -I.No.2)	187.00	Cum	1262.25
	<b>ITEM NO.6</b>			
6.75	Refilling the trenches with available excavated stuff with soft material first over pipeline and then hard material in 15 cm layers with all leads and lifts including consolidation, surcharging, etc. complete. (MJP DSR 2023-24 ,Section E. I.No.15)	92.00	Cum	621.00
	<b>ITEM NO.7</b>			
2.00	Ball cock for 25mm dia. (PWD DSR 2022-2023 P.No.538 (Building Bd-V) Sr.No.290)	333.00	No	666.00
	<b>ITEM NO.8</b>			
8.00	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 pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete (PWD DSR 2022-2023 P.No.284 I.No.42.91 Sr.No.1462)	355.00	Rmt	2840.00
	<b>ITEM NO.9</b>			
1.00	Rising Main : For Inlet of tank Supplying and erecting ISI mark G.I.pipe 25 mm. dia. 'B' class at position with accessories. As per specification no.CW- (PWD ELE DSR 2023-24 I.No. 16-5-3 )	339.00	Rmt	339.00
	<b>ITEM NO.10</b>			

Qty. 1	Item of work 2	Rate 3	Unit 4	Amount 5
1.00	Supplying and erecting high density polythene pipe ISI mark 32 mm dia. suitable for pressure of 6 kg/cm <sup>2</sup> connected to jet / submersible pump with required material complete. (PWD ELE DSR 2023-24 I.No. 16-5-16 ) ITEM NO.11	60.00	Rmt	60.00
2000.00	Providing and fixing H.D.P.E. container Syntex or alike one piece moulded water tank made out of low density polythylene and built corrugation including of delivery up to destination hoisting and fixing of accessories such as inlet, outlet overflow of all tanks capacity above 1000 to 20,000 litres (PWD DSR 2022-2023 P.No.280, I.No:42.54 ,Sr.No.1425) ITEM NO.12	11.00	Rmt	22000.00
5.00	<b>For Outlet of tank</b> :Providing and fixing on walls / ceiling / floor 50 mm dia. uPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. (PWD DSR 2022-2023 P.No.284 I.No.42.91 Sr.No.1462) ITEM NO.13	722.00	Rmt	3,610.00
1.00	<b>For Outlet of tank</b> Supplying and erecting ISI mark G.I. pipe 50 mm dia. 'B' class at position with accessories. As per specification No.CW-PLB/GP (PWD ELE DSR 2023-24, I.No. 16-5-6 ) ITEM NO.14	605.00	Rmt	605.00
1.00	Ball valves for 50mm dia. ( Brass/Gun Metal ) (PWD DSR 2022-2023 P.No.538 (Building Bd-V) Sr.No.294) ITEM NO.15	1597.00	No	1597.00
25.00	<b>For Distribution</b> - Providing and supplying and laying, in standard length ISI mark rigid unplasticized PVC Pipe suitable for potable water with solvent cement joint including cost of couplers as per IS specification no 4985/1988 including all local & central taxes, transportation, freight charges, inspection charges, loading, unloading, conveyance to the departmental stores/ site & stacking the same in closed shed duly protected from sunrays & rains including cost of jointing material i.e. solvent cement etc. complete . 63 mm Dia. 6 kg/sqcm.(115+29=144) (MJP DSR 2023-24 Section I (II) B- i and Section.I(II) 4 b - i laying ITEM NO.16	144.00	MTR	3600.00
2.00	Providing & constructing two taps stand post as per type design with excavation 15 cm thick PCC 1:3:6 bedding 20mm thick PCC 1:4 concrete for platform of 1.75 m.dia with side curb and bucket rest,80 mm dia, heavy duty GI pipe central post duly flanged therein with CC 1:2:4 , 5m. Long 20mm dia. Medium GI pipe from point of tapping to standpost, additional 20 mm dia GI pipe fixed vertically upto 15mm dia. Self closing water-taps, one brass, ferrule, etc,complete together with all labour and material charges as per drawing and as directed by Engineer-in-charge when good foundation is available. Rate excluding draining arrangement by excavating open gutters. (MJP DSR 2023-24, Section H I.No.12) ITEM NO.17	9609.00	No	19218.00
1.00	Supplying & erecting Water level controller 230/ 415V AC., Four way for under ground & Over head tank operation (PWD ELE. DSR 2023-24 I. No.12-4-15) ITEM NO.18	1305.00	No	1305.00
13.00	Supplying and erecting mains with 2x4 sq.mm FRLSH copper PVC insulated wire laid in provided conduit/trunking/inside pole/Bus bars or any other places.as per specification No: WG-MA/BW (PWD ELE. DSR 2023-24, Item no.1-3-3 )	99.00	mtr	1287.00

Qty. 1	Item of work 2	Rate 3	Unit 4	Amount 5
0.01	ITEM NO.19 <u>Information board of scheme</u> Providing structural steel work in trusses other similar trussed purlins and members with bracing gusset plates etc. as per detailed design and drawing or as directed by engineer in charge including cutting fabricating hoisting erecting and fixing in position making riveted bolted welded connections and one coat of anti corrosive paint and over it two coats of oil painting etc. complete	114390.00	MT	1143.90
	(MJP DSR 2023-24 ,Section F- I.No.6)			
0.54	ITEM NO.20 Material & labour for vinyl painting of matter given by dept. in diff. colour as per R.C	1500.00	Sqm	810.00
	(GSDA /SOLAR PUMP /RC /F- NO 25/834/2013-14 dt 1.3.2014)			
			TOTAL RS.	169456.15
			Add GST 18 %	30502.11
			TOTAL RS.	199958.26
			SAY RS	199958.00

Prepared by

  
Sr Engr./ Sect.Engr.  
Mech. Sub-Division Z.P.  
SOLAPUR

  
Deputy Engineer (Mech.)  
Mech. Sub-Division Z.P.  
SOLAPUR

Name of work :-  
Implementation of Solar Energy based Dual pump mini water supply scheme

## MEASUREMENT

### ITEM NO.1

Removal & installation of handpump at the time of installation of dual pump  
= 1.00 Job

### ITEM NO.2

Supplying, Installing, Testing and commissioning of 1 HP capacity AC/DC Solar water pump (SPV pump), comprising of min. 1 KWp capacity multi crystalline SPV modules mounted on GI/MS Structure with necessary hardware with controller, suitable size HDPE delivery water pipe line up to 60mtr length inside or above water tank/ borewell with necessary control valves and necessary power supply cable of appropriate size complete. With 5 years on site performance warranty as per specification no.ESD - SWPS

= 1.00 Job

### ITEM NO.3

Providing & fixing of special water chamber for dual pump

= 1.00 Job

### ITEM NO.4

Providing & fixing Garware Wire rope 10 mm (Market Rate)

= 5.00 Kg

### ITEM NO.5

Excavation for foundation / pipe trenches in hard murum including removing the excavated material upto a distance of 50 M and lifts as below, stacking and spreading as directed by Engineer-in-charge, normal dewatering, preparing the bed for foundation and excluding backfilling, etc. complete.

For Tank Steel Structures

M.		M.		M.	No.	
Excavation for pipeline						
M.		M		M		
0.45	x	0.60	x	25.00		6.75
Total						= 6.75 Cum
Say						= 6.75 Cum

### ITEM NO.6

Refilling the trenches with available excavated stuff with soft material first over pipeline and then hard material in 15 cm layers with all leads and lifts including consolidation, surcharging, etc. complete.

M.		M.		M.		
0.45	x	0.60	x	25.00		6.75
Total						= 6.75 Cum
Say						= 6.75 Cum

### ITEM NO.7

Ball cock for 25mm dia.

= 1.00 No.

### ITEM NO.8

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 pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete

= 8.00 Rmt

### ITEM NO.9

Rising Main : For Inlet of tank Supplying and erecting ISI mark G.I. pipe 25 mm. dia. 'B' class at position with accessories. As per specification no.CW-PLB/GP

= 1.00 Rmt

### ITEM NO.10

Supplying and erecting high density polythene pipe ISI mark 32 mm dia. suitable for pressure of 6 kg/cm<sup>2</sup> connected to jet / submersible pump with required material complete.

= 1.00 Rmt



**ITEM NO.11**

Providing and fixing H.D.P container Syntex or alike one piece moulded water tank made out of low density polythyer and built corrugation including of delivery up to destination hoisting and fixing of accessories such as inlet, outlet overflow of all tanks capacity above 1000 to 20,000 litres

= 2000.00 Litrs.

**ITEM NO.12**

For Outlet of tank :Providing and fixing on walls / ceiling / floor 50 mm dia.,uPVC pipe with necessary fittings, remaking good the demolished portion etc. complete.

**ITEM NO.13**

For Outlet of tank Supplying and erecting ISI mark G.I.pipe 50 mm dia.'B' class at position with accessories. As per specification No.CW-PLB/GP

= 5.00 Rmt

**ITEM NO.14**

Ball valves for 50mm dia.

= 1.00 Rmt

= 1.00 No.

**ITEM NO.15**

For Distribution - Providing and supplying and laying, in standard length ISI mark rigid unplasticized PVC Pipe suitable for potable water with solvent cement joint including cost of couplers as per IS specificati on no 4985/1988 including all local & central taxes, transportation, freight charges, inspection charges, loading, un loading, convence to the depa rtmental stores/ site & stacking the same in closed shed duly protected from sunrays & rains including cost of jointing material i.e. solvent cement etc. complete 63 mm Dia. 6 kg/sqcm.

= 25.00 Rmt

**ITEM NO.16**

Providing & constructing two taps stand post as per type design with excavation 15 cm thick PCC 1:3:6 bedding 20mm thick PCC 1:4 concrete for platform of 1.75 m.dia with side curb and bucket rest, 80 mm dia, heavy duty GI pipe central post duly folled therein with CC 1:2:4 , 5m. Long 20mm dia. Medium GI pipe from joint of tapping to standpost, additional 20 mm dia GI pipe fixed vertically upto 15mm dia. Self closing water taps, one brass, ferrule, etc. complete together with all labour and material charges as per drawing and as directed by Engineer-in-charge when good foundation is available. Rate excluding draining arrangement by excavating open gutters.

= 2.00 No.

**ITEM NO.17**

Supplying & erecting Water level controller 230/ 415V AC., Four way for under ground & Over head tank operation

= 1.00 No.

**ITEM NO.18**

Providing and erecting mains with 2 corex 2.5 sqmm & earth wire 1.5 sqmm FR PVC copper wire in rigid PVC conduit minimum 20 mm Dia as per specification no.WG-MA/PC, para no.1.4.1

= 13.00 Rmt.

**ITEM NO.19**

Information board of scheme Providing structural steel work in trusses other similar trussed purlins and members with bracing gusset plates etc. as per detailed design and drawing or as directed by engineer in charge including cutting fabricating hoisting erecting and fixing in position making riveted bolted welded connections and one coat of anti corrosive paint and over it two coats of oil painting etc. complete

= 0.01 MT


**ITEM NO.20**

Material & labour for vinyl painting of matter given by dept. in diff. colour as per R.C

= 0.54 SqM

Prepared by

  
Jr. Engr. Sect. Engr.  
Mech. Sub-Division Z.P.  
SOLAPUR

  
Deputy Engineer (Mech.)  
Mech. Sub-Division Z.P.  
SOLAPUR

- वाचा :- 1. जिल्हा परिषद व पंचायत समिती लेखा संहिता 1968 मधील नियम क्र. 04 चे परिशिष्ट 2  
 2. महाराष्ट्र शासन, शासन निर्णय क्र. झेडपीए 2012 / प.क्र. 680 / वित्त - 09 / दिनांक :- 31 / 01 /2018.  
 3. मा. उप.मु.का.अ. (ग्रा.पं) जि.प.सोलापूर यांच्या कडील प्रशासकीय मान्यता क्र. 778 /2021 दि.03/12/2021

जा.क्र. उप अभियंता (यां)/याउवि/जिपसो/तांमा /E- 677 /2024

उप अभियंता (यांत्रिकी), यांत्रिकी उपविभाग,

जिल्हा परिषद सोलापूर


दिनांक :- 27/06/2024

**तांत्रिक मान्यता आदेश :-**

उपरोक्त संदर्भीय क्रं. 01 चे अधिकार व संदर्भीय क्रं. 02 च्या शासन निर्णयान्वये शासनाने प्रदान केलेल्या शक्तीचा उपयोग करून मी, उप अभियंता (यांत्रिकी), यांत्रिकी उपविभाग जिल्हा परिषद सोलापूर खालील प्रमाणे प्रस्तावित कामास तांत्रिक मान्यता प्रदान करत आहे.

अ.क्र.	गाव / तालुका / ठिकाण		कामाचे विवरण	योजना	संख्या	अंदाजपत्रीय खर्चाची रक्कम रुपये
	गाव	सोहाळे	ड्युअल पंप बसविणे व पाण्याची टाकी बसविणे	15 वा वित्त आयोग जि.प.स्तर 2020-21	1	1,99,958.00
	तालुका	मोहोळ				
	ठिकाण	जगताप वस्ती येणकी रस्ता				
एकूण :-						1,99,958.00

अक्षरी :- एक लक्ष नव्याण्णव हजार नऊशे अठ्ठावन्न रुपये फक्त

  
 उप अभियंता (यांत्रिकी)  
 यांत्रिकी उपविभाग  
 जिल्हा परिषद सोलापूर

प्रति,

सरपंच / ग्रामसेवक

ग्रामपंचायत कार्यालय, सोहाळे तालुका मोहोळ  
 मा.गट विकास अधिकारी पंचायत समिती मोहोळ यांना माहिती व उचित कार्यवाहीस्तव.

# BOQ

**Part A**

**Name of work :-**

**Implementation of Solar Energy based Dual pump mini water supply scheme at**

**Village Name. : SOHALE**

**Taluka. : MOHOL**

**Location - JAGTAP WASTI,  
YENAKI ROAD.**

**Dist. Solapur**

Qty. 1	Item of work 2	Rate 3	Unit 4	Amount 5
1.00	ITEM NO.1 Removal & installation of handpump at the time of installation of dual PUMP.	1467.00	Job	1467.00
1.00	ITEM NO.2 Supplying, Installing, Testing and commissioning of 1 HP capacity AC/DC Solar water pump (SPV pump), comprising of min. 1 KWp capacity multi crystalline SPV modules mounted on GI/MS Structure with necessary hardware with controller, suitable size HDPE delivery water pipe line up to 60mtr length inside or above water tank/borewell with necessary control valves and necessary power supply cable of appropriate size complete. With 5 years on site performance warranty as per specification no.ESD -	104076.00	Job	104076.00
1.00	ITEM NO.3 Providing & fixing of special water chamber for dual pump	1949.00	Job	1949.00
5.00	ITEM NO.4 Providing & fixing Garware Wire rope 10 mm (Market Rate)	200.00	Kg	1000.00
6.75	ITEM NO.5 Excavation for foundation / pipe trenches in hard murum including removing the excavated material upto a distance of 50 M and lifts as below, stacking and spreading as directed by Engineer-in-charge, normal dewatering, preparing the bed for foundation and excluding backfilling, etc. complete.	187.00	Cum	1262.25
<b>(MJP DSR 2023-24 ,Section E -I.No.2)</b>				
6.75	ITEM NO.6 Refilling the trenches with available excavated stuff with soft material first over pipeline and then hard material in 15 cm layers with all leads and lifts including consolidation, surcharging, etc. complete.	92.00	Cum	621.00
2.00	ITEM NO.7 Ball cock for 25mm dia.	333.00	No	666.00
8.00	ITEM NO.8 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 pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete	355.00	Rmt	2840.00
1.00	ITEM NO.9 <b>Rising Main</b> : For Inlet of tank Supplying and erecting ISI mark G.I.pipe 25 mm. dia. 'B' class at position with accessories. As per specification no.CW-	339.00	Rmt	339.00
1.00	ITEM NO.10 Supplying and erecting high density polythene pipe ISI mark 32 mm dia. suitable for pressure of 6 kg/cm2 connected to jet / submersible pump with required material complete.	60.00	Rmt	60.00
2000.00	ITEM NO.11 Providing and fixing H.D.P.E. container Syntex or alike one piece moulded water tank made out of low density polythylene and built corrugation including of delivery up to destination hoisting and fixing of accessories such as inlet, outlet overflow of all tanks capacity above 1000 to 20,000 litres	11.00	Rmt	22000.00
5.00	ITEM NO.12 <b>For Outlet of tank</b> :Providing and fixing on walls / ceiling / floor 50 mm dia. uPVC pipe with necessary fittings, remaking good the demolished portion etc. complete.	722.00	Rmt	3,610.00
1.00	ITEM NO.13 <b>For Outlet of tank</b> Supplying and erecting ISI mark G.I.pipe 50 mm dia. 'B' class at position with accessories. As per specification No.CW-PLB/GP	605.00	Rmt	605.00
1.00	ITEM NO.14 Ball valves for 50mm dia. ( Brass/Gun Metal )	1597.00	No	1597.00
25.00	ITEM NO.15 <b>For Distribution</b> - Providing and supplying and laying, in standard length ISI mark rigid unplasticized PVC Pipe suitable for potable water with solvent cement joint including cost of couplers as per IS specificati on no 4985/1988 including all local & central taxes, transportation, freight charges, inspection charges, loading, un loading, conveyance to the depa rtmental stores/ site & stacking the same in closed shed duly protected from sunrays & rains including cost of jointing material i.e. solvent cement etc. complete 63 mm Dia. 6 kg/sqcm.(115*29=144)	144.00	MTR	3600.00
	ITEM NO.16			

Qty. 1	Item of work 2	Rate 3	Unit 4 No	Amount 5
2.00	Providing & constructing two taps stand post as per type design with excavation 15 cm thick PCC 1:3:6 bedding 20mm thick PCC 1:4 concrete for platform of 1.75 m.dia with side curb and bucket rest,80 mm dia, heavy duty GI pipe central post duly felled therein with CC 1:2:4 , 5m. Long 20mm dia. Medium GI pipe from point of tapping to standpost, additional 20 mm dia GI pipe fixed vertically upto 15mm dia. Self closing water taps, one brass, ferrule, etc.complete together with all labour and material charges as per drawing and as directed by Engineer-in-charge when good foundation is available. Rate excluding draining arrangement by excavating open gutters.	9609.00		19218.00
1.00	ITEM NO.17 Supplying & erecting Water level controller 230/ 415V AC., Four way for under ground & Over head tank operation	1305.00	No	1305.00
13.00	ITEM NO.18 Supplying and erecting mains with 2x4 sq.mm FRLSH copper PVC insulated wire laid in provided conduit/trunking/inside pole/Bus bars or any other places.as per specification No: WG-MA/BW	99.00	mtr	1287.00
0.01	ITEM NO.19 <b>Information board of scheme</b> Providing structural steel work in trusses other similar trussed purlins and members with bracing gusset plates etc. as per detailed design and drawing or as directed by engineer in charge including cutting fabricating hoisting erecting and fixing in position making riveted bolted welded connections and one coat of anti corrosive paint and over it two coats of oil painting etc. complete	114390.00	MT	1143.90
0.54	ITEM NO.20 Material & labour for vinyl painting of matter given by dept. in diff. colour as per R.C	1500.00	Sqm	810.00
<b>Part A TOTAL RS.</b>				<b>169456.15</b>

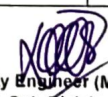
**Part B**

**Name of work- Implementation of Solar Energy based Dual pump mini water supply scheme at**

Village Name. : ARDHANARI		Location - MANE WASTI		
Taluka. : MOHOL		Dist.	Solapur	
1.00	ITEM NO.1 Removal & installation of handpump at the time of installation of dual PUMP.	1467.00	Job	1467.00
1.00	ITEM NO.2 Supplying, Installing, Testing and commissioning of 1 HP capacity AC/DC Solar water pump (SPV pump), comprising of min. 1 KWp capacity multi crystalline SPV modules mounted on GI /MS Structure with necessary hardware with controller, suitable size HDPE delivery water pipe line up to 60mtr length inside or above water tank/borewell with necessary control valves and necessary power supply cable of appropriate size complete. With 5 years on site performance warranty as per specification no.ESD - SWPS	104076.00	Job	104076.00
1.00	ITEM NO.3 Providing & fixing of special water chamber for dual pump	1949.00	Job	1949.00
4.00	ITEM NO.4 Providing & fixing Garware Wire rope 10 mm (Market Rate)	200.00	Kg	800.00
2.39	ITEM NO.5 Excavation for foundation / pipe trenches in hard murum including removing the excavated material upto a distance of 50 M and lifts as below, stacking and spreading as directed by Engineer-in-charge, normal dewatering, preparing the bed for foundation and excluding backfilling, etc. complete.	187.00	Cum	446.84
1.82	ITEM NO.6 Refilling the trenches with available excavated stuff with soft material first over pipeline and then hard material in 15 cm layers with all leads and lifts including consolidation, surcharging, etc. complete.	92.00	Cum	167.67
1.04	ITEM NO.7 Providing and laying in situ Cement Concrete M-15 of trap/ granite / quartzite / gneiss metal for foundation and bedding including bailing out water, form work, compaction, curing, etc. complete. (Cement 5.90 bags / cum) b) In PCC M-150	5881.00	Cum	6113.30
1.00	ITEM NO.8 Ball cock for 25mm dia.	333.00	No	333.00
3.00	ITEM NO.9 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 pipe line if necessary and conveying and stacking the same in PVD chowky or as directed etc. complete	355.00	Rmt	1065.00
1.00	ITEM NO.10 Supplying and erecting high density polythene pipe ISI mark 32 mm dia. suitable for pressure of 6 kg/cm2 connected to jet / submersible pump with required material complete.	60.00	Rmt	60.00
	ITEM NO.11			

Qty.	Item of work	Rate	Unit	Amount
1	2	3	4	5
0.187	Providing structural steel work in trusses, other similar trussed purlins and members with all bracing, gusset plates, etc. as per detailed design and drawing or as directed by Engineer - in - charge including cutting, fabricating, hoisting, erecting and fixing in position, making riveted bolted / welded connections and one coat of anticorrosive paint and over it two coats of oil painting, etc complete ITEM NO.12	114390.00	MT	21390.93
1500.00	Providing and fixing H.D.P.E. container Syntex or alike one piece moulded water tank made out of low density polythylene and built corrugation including of delivery up to destination hoisting and fixing of accessories such as inlet, outlet overflow of all tanks capacity ITEM NO.13	11.00	Rmt	16500.00
1.00	<b>For Outlet of tank</b> :Providing and fixing on walls / ceiling / floor 50 mm dia. uPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. ITEM NO.14	722.00	Rmt	722.00
1.00	Ball valves for 50mm dia.( Brass/Gun Metal ) ITEM NO.15	1597.00	No	1597.00
10.00	<b>For Distribution</b> - Providing and supplying and laying, in standard length ISI mark rigid unplasticized PVC Pipe suitable for potable water with solvent cement joint including cost of couplers as per IS specificati on no 4985/1988 including all local & central taxes, transportation, freight charges, inspection charges, loading, un loading, conveyance to the departmental stores/ site & stacking the same in closed shed duly protected from sunrays & rains including cost of jointing material i.e. solvent cement etc. complete 63 mm Dia. 6 kg/sqcm.(115+29=144) ITEM NO.16	144.00	MTR	1440.00
1.00	Providing & constructing two taps stand post as per type design with excavation 15 cm thick PCC 1:3:6 bedding 20mm thick PCC 1:4 concrete for platform of 1.75 m.dia with side curb and bucket rest, 80 mm dia, heavy duty GI pipe central post duly felled therein with CC 1:2:4, 5m. Long 20mm dia. Medium GI pipe from point of tapping to standpost, additional 20 mm dia GI pipe fixed vertically upto 15mm dia. Self closing water taps, one brass, ferrule, etc. complete together with all labour and material charges as per drawing and as directed by Engineer-in-charge when good foundation is available. Rate excluding draining arrangement by excavating open gutters. ITEM NO.17	9609.00	No	9609.00
8.00	Providing and erecting chain link fencing 1.6 M. height with G.I. Chain link of size 50 x 50 mm, 8 gauge thick and fixed 75 mm aboveground level on vertical M.S. Angles of 40 x 40 x 6 mm size, including excavating pits for foundation and embedded in C.C. block of 1:4:8 mix of size 450 x 450 x 670 mm. at 1.75 M.c/c with iron bar 16mm dia as hold fast including welding link with angle frame at 30 cm c/c with nuts and bolts and horizontal M.S. Angles at top and bottom of 25 x 25 x 5 mm size and vertical M.S. flat 35 x 5 mm and 25 x 5 mm horizontal including cross support of 40 x 40 x 6 mm angles both side at every corner or bend embedded in concrete blocks of 1:4:8 of size 450 x 450 x 670 mm including 3 coats of oil painting etc. complete (PWD DSR 2022-2023 P.No.298, I. No.46.39 Sr.No.1575) ITEM NO.18	2539.00	Rmt.	20312.00
1.00	Supplying & erecting Water level controller 230/ 415V AC., Four way for under ground & Over head tank operation (PWD ELE. DSR 2023-24 I. No.12-4-15) ITEM NO.19	1305.00	No	1305.00
5.00	Supplying and erecting mains with 2x4 sq.mm FRLSH copper PVC insulated wire laid in provided conduit/trunking/inside pole/Bus bars or any other places.as per specification No: WG-MA/BW ITEM NO.20	99.00	mtr	495.00
0.54	Material & labour for vinyl painting of matter given by dept. in diff. colour as per R.C ITEM NO.21	1500.00	Sqm	810.00
Part B TOTAL RS.				190658.74
(Part A + Part B) TOTAL RS.				360114.89
Add GST 18 %				64820.68
TOTAL RS.				424935.57
SAY Total RS				424935.00
Rate Quoted by Contractor				

  
Jr. Engr. / Sect. Engr.  
Mech. Sub-Division Z.P.  
SOLAPUR

  
Deputy Engineer (Mech.)  
Mech. Sub-Division Z.P.  
SOLAPUR

  
Executive Engineer  
Rural Water Supply Division,  
Zilla Parishad, Solapur