

E-Mail – tembhumeunit@gmail.com
जा.क्र./टेंउसियांवविप/ताशा-३/६३० /२०१६

Phone – (02164) 271142
कार्यकारी अभियंता,
टेंभु उपसा सिंचन यांत्रिकी व विद्युत पथक,
ओगलेवाडी, कराड यांचे कार्यालय
दिनांक:- १२/०४/२०१६

प्रति,
मा. उपसंचालक (माहिती),
विभागीय माहिती कार्यालय,
मध्यवर्ती प्रशासकिय इमारत,
पुणे स्टेशन, पुणे.

विषय :- जाहीरात प्रसिध्दीस देणेबाबत.

महोदय,

सोबत जोडलेली जाहिरात वृत्तपत्रात प्रसिध्द करण्यासाठी पाठविण्यात येत आहे. कृपया ती नेमून दिलेल्या तारखेला किंवा तत्पूर्वी प्रसिध्दीस द्यावी, ही विनंती.

- १) कार्यालयाचे नाव, पत्ता व दुरध्वनी क्रमांक : कार्यकारी अभियंता, टेंभु उपसा सिंचन यांत्रिकी व विद्युत पथक,
ओगलेवाडी, कराड पिन :- ४१५१०५, फोन नं : (०२१६४) २७११४२.
- २) जाहीरात प्रसिध्द होण्याचा अंतिम दिनांक : दिनांक २५/०४/२०१६ अथवा तत्पूर्वी
- ३) प्रसिध्दी कोणत्या स्तरावर आवश्यक (प्रादेशिक/जिल्हा पातळीवर) : जिल्हा स्तरावर (सातारा Region)
- ४) जाहीरातीचे बील कोणाच्या नावे पाठवावयाचे : कार्यकारी अभियंता, टेंभु उपसा सिंचन
यांत्रिकी व विद्युत पथक, ओगलेवाडी, कराड
- ५) जाहीरात किती वृत्तपत्रात प्रसिध्द करावयाची व किती वेळा. : एक “क” वर्ग मराठी दैनिक व एका
साप्ताहिक वृत्तपत्रात एकाचवेळी फक्त एकवेळा.
(कमीत कमी जागेत.)
- ६) किती वेळा जाहिरात प्रसिध्द करावयाची आहे. : एकवेळा.

आपला विश्वासू

सोबत :- जाहिरातीच्या ४ प्रती.

कार्यकारी अभियंता
टेंभु उपसा सिंचन यांत्रिकी व विद्युत पथक,
ओगलेवाडी, कराड

प्रत :-मा.अधीक्षक अभियंता, यांत्रिकी मंडळ ,कोल्हापूर यांना माहितीसाठी व वेबसाईट प्रसिध्दीसाठी सविनय सादर.

जलसंपदा विभाग (यांत्रिकी)

अंदाजपत्रकीय दरपत्रके मागविण्यासाठीची दरपत्रके

कार्यकारी अभियंता टेंभू उपसा सिंचन यांत्रिकी व विद्युत पथक, कोयना सायडींग, ओगलेवाडी, कराड, ४१५१०५ (दुरध्वनी क्र.२७११४२) हे खाली दर्शविलेल्या कामाकरिता नोंदणीकृत यांत्रिकी कंत्राटदाराकडून व मुळ साहित्य निर्मात्यांकडून कार्यालयीन कामासाठी अंदाजपत्रकीय दरपत्रके मागवित आहेत. संबंधितांनी हि जाहिरात प्रसिद्ध झाल्यापासून अंदाजपत्रकीय दरपत्रके दि.२५/०४/२०१६ पासून ०९/०५/२०१६ पर्यंत कार्यालयीन वेळेत सादर करावीत. सदर कामाच्या बाबीचा सविस्तर तपशील www.mahayantriki.gov.in या वेबसाईट वर उपलब्ध आहे.

अ.क्र	तपशील	परिमाण	दर	रुपये
१.	पुणदी उपसा सिंचन योजना टप्पा क्र.२ येथील दोन एच.टी. पॅनेलला जोडण्यासाठी आवश्यक अशा बस कपलर व अँडॉप्टर पॅनेलचा पुरवठा, उभारणी, चाचणी व कार्यान्वीकरण करणे कामाबाबत.	१ नग		
२	टेंभू उपसा सिंचन योजना टप्पा क्र.१ ब येथील एच.टी. पॅनेलला इनकमर फ्रिडर पॅनेलचा पुरवठा, उभारणी, चाचणी व कार्यान्वीकरण करणे कामाबाबत.	१ नग		
३.	टेंभू उपसा सिंचन योजना टप्पा क्र. २ येथील नादुरुस्त झालेला पंपमोटर क्र.२ चा मोटर फ्रिडरच्या दुरुस्ती, उभारणी, चाचणी व कार्यान्वीकरणा करणे कामाबाबत .	१ नग		
४	टेंभू उपसा सिंचन योजना टप्पा क्र. ४ व ५ हायड्रॉलीक ऑपरेटर पंप डिसचार्ज वॉल्व , बटर फ्लाय वॉल्व इ. चा निर्दिष्टाप्रमाणे पुरवठा, उभारणी, चाचणी व कार्यान्वीकरण करणे कामाबाबत .	१ नग		
५	टेंभू उपसा सिंचन योजना टप्पा क्र. ३ येथे पंपाच्या विसर्ग मोजण्यासाठी अल्ट्रासॉनीक पदधतीचा फलो मीटरचा पुरवठा, उभारणी, चाचणी व कार्यान्वीकरण करणे कामाबाबत .	१ नग		
६	टेंभू उपसा सिंचन योजना टप्पा क्र. १अ येथील एच.ओ.पी.डी पॅनेलच्या मॉड्युलर श्रॉटल अँड चेक वॉल्व चा पुरवठा, उभारणी ,चाचणी व कार्यान्वीकरण करणे कामाबाबत .	१ नग		
७	टेंभू उपसा सिंचन योजना टप्पा क्र. १अ येथील उर्ध्वनलिका क्र.४,५,६ वरील कायनेटीक एअर वॉल्व मधील सिझन टिंबर बॉल २०० एम एम व १०० एम एम प्रत्येकी २० नग, पॅकींग व नटबोल्ट पुरवठा करणे व बसविणेचा खर्च वाहतूक व टॅक्ससह इ.	१ नग		
८	टेंभू उपसा सिंचन योजना टप्पा क्र. ३अ व ३ब येथील व्ही.टी. पंपाच्या एच.टी. पॅनेल फयुजेस६.६ के.व्ही. ७००००एमपीअर बोल्टेडची निर्मिती करणे, पॅकींग व वाहतूक खर्चासह पुरवठा इ.करणे कामाबाबत .	१ नग		
९	टेंभू उपसा सिंचन योजना टप्पा क्र. १अ येथील व्ही.टी. पंप व्ही.एम.एफ.३०” करिता २५ एम.एम.४५०० एम.एम, पॅकींग निर्मिती पुरवठा उभारणी इ. कामाबाबत .	१० नग		
१०	विसापूर उपसा सिंचन योजना टप्पा क्र.१ब येथील ना-दुरुस्त झालेला ६.६ के.व्ही. ८००/५ सी.टी. बदलून कार्यक्षेत्रावर, उभारणी,चाचणी व कार्यान्वीकरण करणे इ.कामाबाबत.	१ नग		
११	टेंभू उपसा सिंचन योजना टप्पा क्र. १अ/३अ येथील १५०० के.व्ही. ६.६ के.व्ही. एच.टी. मोटर करिता केबल इन्स्युलेटर डायमीटर १६ एमएम स्टड निर्मिती पुरवठा उभारणी इ. कामाबाबत .	२० नग		

वरील कामासाठी सादर केलेली कामे अंदाजपत्रकीय कार्यवाहीसाठी असून प्रत्यक्ष कामाच्या आदेशाशी त्याचा काही संबंध

नाही.

कार्यकारी अभियंता
टेंभू उपसा सिंचन यांत्रिकी व विद्युत पथक,
ओगलेवाडी, कराड

Office of the Executive Engineer,
Tembhu Lift Irrigation Mech. & Elect. Unit,
Koyna Siding, Oglewadi,
Karad. Dist-Satara. Pin- 415 105.
Date: / /2016

To,

M/s 1) _____
2) _____
3) _____

Sub: - Regarding Budgetary Offers.

Dear Sirs,

With respect to above subject, you are requested to submit your budgetary offers for the work as per description given below for **Pundi L.I.S. stage II**. The rates should be inclusive of all taxes, duties, transportation, etc. The budgetary offers should be submitted to this office within 07 days during working hours.

Item No.1 BUS COUPLER & BUS ADOPTER PANEL FOR STAGE 02 OF PUNADI LIS TQ.TASGAON, DIST.SANGALI.

	PANEL QTY	1
	DESCRIPTION	I/C
01	IND. LAMPS LED TYPE MAKE:AS PER CGL STANDARD	
	COLOUR VOLTAGE PURPOSE	
	RED 110V DC VCB ON	1
	GREEN 110V DC VCB OFF	1
	BLUE 110V DC SPR. CHR. INDICATION	1
	AMBER 110V DC AUTOTRIP	1
	WHITE 110V DC TRIP CKT HEALTHY	1
	RED 110V AC R PHASE HEALTHY	1
	YELLOW 110V AC Y PHASE HEALTHY	1
	BLUE 110V AC B PHASE HEALTHY	1
	GREEN 110V DC DC SUPPLY HEALTHY	1
	AMBER 110V DC SERVICE POSITION	1
	CLEAR 110V DC TEST POSITION	1
02	P.B. ACTUATOR WITH NO CONTACT	1
	PURPOSE:TCH CHECK	
03	PANEL ILLUMINATION LAMP	1
	RATING: 40 WATT, 230V AC	

04	PANEL LAMP HOLDER MAKE: ANCHOR/EQUIVALENT	1
05	3 PIN PLUG SOCKET RATING:230V,10A	1
06	THERMOSTAT, 30-90 DEC	1
07	TIMER PURPOSE: FOR SPRING CHARGING MOTOR CKT CONTROL VOLTAGE: 110V DC	1
08	ANTI PUMPING DEVICE VOLTAGE - 110V DC, DESIGNATION - 94	1
09	AMMETER SELECTOR SWITCH DESIGNATION:A-S/S POSITIONS:R-Y-B-OFF	1
10	VOLTMETER SELECTOR SWITCH DESIGNATION:V-S/S NO. OF POSITIONS:4	
11	TNC SWITCH WITHOUT BELL ALARM CONTACT TYPE -LOCKABLE CONTACTS:1NO IN EACH POSITION	1
12	LOCAL REMOTE SWITCH TYPE - LOCKABLE	1
13	HOOTER AUX SUPPLY: 230V AC CASE SIZE : 96X96 SQMM PURPOSE : FOR DC FAIL ANNUNCIATION	1
14	MCB - DP - 16A - 110V DC	1
15	MCB-DP-16A-230V AC	1
16	AUX CONTACTOR 110VDC2N/0+2N/C ADD ON 2NO +2NC CONTACT FOR DC CONTACTOR	1
17	CONTACTOR 110V DC 2NO+2NC	1
18	HEATER FOR BREAKER CHAMBER	1

	80W, 230V AC	
	MAKE: STD	
	CT&PT	
19	6.6 kV EPOXY CASTED CURRENT TRANSFORMER	3
	CTR - 600/5+5 A	
	STR-26.3 kA /1 SEC	
	BURDEN/ACC CLASS- 20VA/CL0.5 + 15VA/5P10	
	BIL-20kV/60kVp	
	CT SEC-ON P2 SIDE	
	MAKE- CGL/SILKANS/SGELECTRICALS/STD EQUIVALENT	
20	6.6 KV EPOXY CASTED CURRENT TRANSFORMER	3
	CTR - 800/5A	
	STR – 26.3kA/1SEC	
	BURDEN/ACC CLASS- PS CLASS	
	PS CLASS DETAILS :SHALL BE FURNISHED BY CUSTOMER	
	BIL-20kV/60kVp	
	CT SEC -ON P1 SIDE	
	MAKE-CGL/SILKANS/SGELECTRICALS/STD EQUIVALENT	
21	VOLTAGE TRANSFORMER	1
	TYPE:3PH,3L D/O TYPE, TOP MOUNTED	
	VTR:6600/110V AC	
	BURDEN/ACC.:100VA/CL 1.0	
	VOLTAGE FACTOR - 1.2	
	TYPE- EPOXY RESIN CAST	
	MAKE- CGL/JSL/SILKANS/ECS/STD	
	WIRING : AS PER V1Q0189/2	
	BIL.-20KV/60KVP	
	RELAYS	
22	3OC +1 EF RELAY	1
	MAKE_OF_CURRENT_OPRTD_RELAY L&T	
	DESIGNATION OF RELAY MC61A	
	DES_OFCURRENT_OPRTD_RELAY 4.P.IDMTL+INST O/C +EF RELAY	
	NO.OF POLE/ELEMENT FOR RELAY TRIPLE POLE	
	TYPE OF MOUNTING ON PANEL FLUSH MOUNTING TYPE	
	CASE SIZE OF RELAY 121X158X224	
	OVER CURRENT IDMTL SETTING 50% TO 200% OF CT SECONDARY	
	OVER CURRENT INST. SETTING STANDARD CT SECONDARY CURRENT EARTH	
	FAULT IDMTL SETTING 5% TO 80% OF CT SECONDARY	
	EARTH FAULT INST. SETTING STANDARD CT SECONDARY CURRENT	
	CT SECONDARY 5A/1A SELECTABLE	
	DMT OF RELAY 3.0 SEC. (STANDARD)	

	NO. & TYPE OF CONTACTS 4 N/O SR	
	RELAY FLAG FLAG REQUIRED	
	AUXILLIARY SUPPLY AC/DC 95V TO 240VAC/DC +/-15%	
23	UNDervoltage RELAY	1
	MAKE OF RELAY L&T	
	DESIGNATION OF RELAY MV12	
	DES OF CURRENT OPRTD RELAY U/V//O/V RELAY	
	NO. OF POLE/ELEMENT FOR RELAY SINGLE POLE	
	TYPE OF MOUNTING ON PANEL FLUSH MOUNTING D/O TYPE	
	CASE SIZE OF RELAY 71(W)X158(H)X224(D)BEZEL	
	SETTING 20-95%/105-185%	
	CHARACTERASTIC INVERSE/DEFINITE TIME LAG	
	PROGRAMMABLE)	
	NO. & TYPE OF CONTACTS 2C/O SR	
	RELAY FLAG FLAG REQUIRED	
	AUXILLIARY SUPPLY AC/DC 88-264V DC	
	VT SECONDARY VOLTAGE 110V AC	
24	AUX RELAY DEVICE FOR DC FAIL SCHEME	1
	WITH BUILT IN ACCEPT PB & DC FAIL INDICATION	
	DC SUPPLY-110V DC	
	AC SUPPLY-230V AC	
	MAKE-CGL/STD	
	MTG-FLUSH	
	CUT OUT-96X48mm	
25	FUSE FAILURE RELAY	1
	MAKE:ER/ASHIDA/ABB/ALSTOM/STD EQUIVALENT	
	DESIGNATION-96	
	V.T.SECONDARY:110V AC	
	SETTING OF VOLT OPRTD PROT RLY 20% DO 40% PU	
	TYPE OF MOUNTING ON PANEL FLUSH MOUNTING TYPE	
	CASE SIZE OF RELAY- AS PER MANUFACTURER	
	NO. & TYPE OF CONTACTS-1 N/O+1N/C SR	
26	MASTER TRIP RELAY	1
	MAKE-ER/AVANA/JVS/CGL/ABB/STD EQUIVALENT	
	TITLE OF AUX RELAY HIGH SPEED TRIPPING RELAY	
	TYPE OF MOUNTING ON PANEL FLUSH MOUNTING TYPE	
	NO. & TYPE OF CONTACTS 3N/O+1N/C HR	
	RELAY FLAG FLAG REQUIRED	
	AUXILLIARY SUPPLY AC/DC 110V DC	
27	TRIP CIRCUIT SUPERVISION RELAY	1

	MAKE-CGL/STD	
	AUX. VOLTAGE-110 VDC	
	CASE-96X48mm	
	CONTACTS-1 NO+1NC SR	
	METERS	
28	AMMETER 96 SQ MM TRIPPLE SCALE	
	TYPE-MISC	
	CT SEC: 5A	
	CT PRIMARY : 600A	1
	SCALE - 100% OF CTR	
	DEFLECTION-90 DEG	
	ACC CLASS- 1.0	
	MTG - FLUSH	
	MAKE – RISHABH/STD	
29	ANALOG VOLTMETER	1
	MAKE : RISHABH/STD	
	SCALE - 0-7.2 kV	
	CASE SIZE : 96 SQMM	
	ACC CLASS: 1.0	
	VT SECONDARY : 110 V AC	
	VT RATIO : 6.6 KV / 110V AC	
30	DIGITAL MULTIFUNCTION METER	
	3 PHASE, 4 WIRE, 3 ELEMENT	
	SUITABLE TO READ V,A,KW,KWH,KVAR, PF, FREQUENCY	
	ACCURACY CLASS: 1.0	
	OVERALL SIZE: 96x96 mm (FLUSH MOUNTING)	
	CTR: 800/5A FOR IC	1
	VT RATIO: 6600/110V AC	
	MAKE:AE/MECO/RISHABH/IMP/STD	

TECHNICAL SPECIFICATIONS

(A) SYSTEM PARAMETERS

1.	RATED VOLTAGE	6600V
----	---------------	-------

2.	RATED FREQUENCY	50HZ
3.	SYSTEM NEUTRAL	EFFECTIVELY EARTHED
4.	FAULT LEVEL	26.3 KA
5	DEGREE OF PROTECTION AS P0ER IS 3427:1969	IP4X FOR EXTERNAL ENCLOSURE

(B) CONTROL SUPPLY VOLTAGES

1.	CLOSING COIL	110V DC
2.	TRIPPING COIL	110V DC
3.	INDICATION CKT.	110V DC
4.	PANEL SPACE HEATER	230V AC
5.	SPR CHARGE MOTOR	110V DC

(C)GENERAL NOTES

1.	INTER PANEL WIRES SHALL BE SUPPLIED WITH THE PANEL, TO BE CONNECTED AT SITE
2.	ALL DOORS WILL BE EARTHED BY FLEXIBLE COPPER BRAID
3.	PANEL SHALL BE PAINTED INSIDE AND OUTSIDE WITH SHADE 631 OF IS-5.
4.	NEOPRENE GASKETS SHALL BE PROVIDED AT OPENING DOOR.

5.	ELECTRICAL & MECHANICAL INTERLOCK SHALL BE PROVIDED BETWEEN BOTH INCOMERS & THIS BUS COUPLER SUCH THAT AT A TIME ANY 02 CAN BE MADE ON OUT OF THESE 03.
6.	230V AC & 110V DC CONTROL SUPPLY SHALL BE RECEIVED AT INCOMERS & SAME SHALL BE DISTRIBUTED BY BUS WIRING TO OTHER PANELS.
7.	MECH. OPERATED EMERGENCY STOP PUSH BUTTON SHALL BE PROVIDED FOR VCB PANELS ONLY.
8.	BUS COUPLER & BUS ADOPTER PANEL WILL BE MADE OF 02 MM SHEET STEEL.
9.	THIS BUS COUPLER & ADOPTER PANEL MUST BE SUITABLE FOR EXISTING TWO SEPARATE HT PANELS AVAILABLE AT SITE. NECESSARY ALTRATIONS SHOULD BE DONE TO FIT THIS COUPLER & ADOPTER PANEL AT SITE.

(D)CIRCUIT BREAKER

1.	APPLICABLE STANDARD	IS 13118/1991
2.	MECHANISM	TRIP FREE
3.	BREAKING CAPACITY	26.3 KA AT 6.6 KV
4.	SHORT TIME RATING	26.3 KA FOR 3 SEC
5.	BASIC INSULATION LEVEL (BIL)	20 KV POWER FRQ. WITHSTAND 60 KVP LIGHTENING IMPULES
6.	RATED CURRENT	630A
7	VCB MECHANISM	MOTOR OPERATED SPRING CHARGE MECHANISM.

(E)MAIN HORIZONTAL BUSBARS

1.	RATED CURRENT	630A
2.	SHORT TIME RATING	26.3 KA FOR 3 SEC
3.	MATERIAL OF BUSBARS	ALUMINIUM
4.	INSULATION OF BUSBARS	HEAT SHRINKABLE PVC SLEEVES

(F) EARTH BAR

1.	MAERIAL OF EARTH BUS	COPPER
----	----------------------	--------

Thanking you.

Yours faithfully,

Executive Engineer,
Tembhu Lift Irrigation Mechanical & Electrical Unit,
Ogalewadi – Karad.

Copy submitted to the Superintending Engineer, Mechanical Circle (C.P.), Kolhapur, for information & necessary action please. It is requested to upload this offer on official website of department.
Office Notice Board.

No/TLIMEU/Karad/TS-3/ /Of 2016

Office of the Executive Engineer,
Tembhu Lift Irrigation Mech. & Elect. Unit,
Koyna Siding, Oglewadi,
Karad. Dist-Satara. Pin- 415 105.
Date: / /2016

To,
M/s 1) _____
2) _____
3) _____

Sub: - Regarding Budgetary Offers.

Dear Sirs,

With respect to above subject, you are requested to submit your budgetary offers for the work as per description given below for **Tembhu L.I.S. stage IA & IB**. The rates should be inclusive of all taxes, duties, transportation, etc. The budgetary offers should be submitted to this office within 07 days during working hours.

Item no. 2 INCOMER FEEDER PANEL FOR STAGE 1B OF TEMBHU LIS TQ.KARAD, DIST.SATARA

	PANEL QTY	1
	DESCRIPTION	I/C
01	IND. LAMPS LED TYPE MAKE:AS PER CGL STANDARD	
	COLOUR VOLTAGE PURPOSE	
	RED 220V DC VCB ON	1
	GREEN 220V DC VCB OFF	1
	BLUE 220V DC SPR. CHR. INDICATION	1
	AMBER 220V DC AUTOTRIP	1
	WHITE 220V DC TRIP CKT HEALTHY	1
	RED 110V AC R PHASE HEALTHY	1
	YELLOW 110V AC Y PHASE HEALTHY	1
	BLUE 110V AC B PHASE HEALTHY	1
	GREEN 220V DC DC SUPPLY HEALTHY	1
	AMBER 220V DC SERVICE POSITION	1
	CLEAR 220V DC TEST POSITION	1
02	P.B. ACTUATOR WITH NO CONTACT	1
	PURPOSE:TCH CHECK	
03	PANEL ILLUMINATION LAMP	1

	RATING: 40 WATT, 230V AC	
04	PANEL LAMP HOLDER MAKE: ANCHOR/EQUIVALENT	1
05	3 PIN PLUG SOCKET RATING:230V,10A	1
06	THERMOSTAT, 30-90 DEC	1
07	TIMER PURPOSE: FOR SPRING CHARGING MOTOR CKT CONTROL VOLTAGE: 220V DC	1
08	CASTLE LOCK TYPE:ILB MAKE:PS INTERLOCK LEGEND:S2	1
09	RT KEY FOR CASTLE LOCK (ONLY FOR ONE INCOMER) MAKE:PS INTERLOCK LEGEND:S2	1
10	ANTI PUMPING DEVICE VOLTAGE - 220V DC, DESIGNATION - 94	1
11	AMMETER SELECTOR SWITCH DESIGN ATION:A-S/S POSITIONS:R-Y-B-OFF	1
12	VOLTMETER SELECTOR SWITCH DESIGNATION:V-S/S NO. OF POSITIONS:4	1
13	TNC SWITCH WITHOUT BELL ALARM CONTACT TYPE -LOCKABLE CONTACTS:1NO IN EACH POSITION	1
14	LOCAL REMOTE SWITCH TYPE - LOCKABLE	1
15	HOOTER AUX SUPPLY: 230V AC CASE SIZE : 96X96 SQMM PURPOSE : FOR DC FAIL ANNUNCIATION	1

16	MCB - DP - 16A - 220V DC	1
17	MCB-DP-16A-230V AC	1
18	AUX CONTACTOR 220VDC2N/0+2N/C	1
	ADD ON 2NO +2NC CONTACT FOR DC CONTACTOR	1
19	AUX CONTACTOR 220VDC2N/O+2N/C	1
20	AUX CONTACTOR 220VDC 2N/O+2N/C	1
	CT&PT	
21	6.6 kV EPOXY CASTED CURRENT TRANSFORMER	3
	CTR - 2500-1600-800/1+1 A	
	STR-31.5 kA /1 SEC	
	BURDEN/ACC CLASS- 15VA/CL1.0 + 15VA/5P20	
	BIL-20kV/60kVp	
	CT SEC-ON P2 SIDE	
	MAKE- CGL/SILKANS/SGELECTRICALS/EQUIVALENT	
22	6.6 KV EPOXY CASTED CURRENT TRANSFORMER	3
	CTR - 2500-1600-800/1A	
	STR - 31.5kA/1SEC	
	BURDEN/ACC CLASS- PS	
	PS CLASS DETAILS : $V_k \geq 360V$ AT 800A RATIO, $I_{mag} \leq 30mA @ V_k/2$	
	BIL-20kV/60kVp	
	CT SEC -ON P1 SIDE	
	MAKE-CGL/SILKANS/SGELECTRICALS/EQUIVALENT	
23	AUX RELAY DEVICE FOR DC FAIL SCHEME	1
	WITH BUILT IN ACCEPT PB & DC FAIL INDICATION	
	DC SUPPLY-220V DC	
	AC SUPPLY- 230V AC	
	MAKE-CGL	
	MTG-FLUSH	
	CUT OUT-96X48mm	
24	MASTER TRIP RELAY	1
	DESIGNATION/TYPE OF AUX RELAY B24	
	TITLE OF AUX RELAY HIGH SPEED TRIPPING RELAY	
	TYPE OF MOUNTING ON PANEL FLUSH MOUNTING TYPE	
	CASE SIZE OF RELAY CASE 1N OF ER	
	CTR-50/1+1A	
	STR - 9 kA/1 SEC	
	BURDEN/ACC CLASS- 15VA/CL1.0+15VA/5P20	

	BIL-20kV/60kVp	
	CTSEC-ON P2 SIDE	
	MAKE- CGL/SILKANS/SGELECTRICALS /EQUIVANENT	
25	VOLTAGE TRANSFORMER	1
	TYPE:3PH,3L D/O TYPE, TOP MOUNTED	
	VTR:6600/110V AC	
	BURDEN/ACC.:150VA/CL 1.0	
	VOLTAGE FACTOR - 1.2	
	TYPE- EPOXY RESIN CAST	
	MAKE- CGL/JSL/SILKANS/ECS	
	WIRING : AS PER V1Q0189/2	
	BIL.-20KV/60KVP	
	RELAYS	
26	3OC +1 EF RELAY	1
	MAKE OF CURRENT OPRTD RELAY L&T	
	DESIGNATION OF RELAY MC61A	
	DES_OFCURRENT_OPRTD_RELAY 4.P.IDMTL+INST O/C +EF RELAY	
	NO.OF POLE/ELEMENT FOR RELAY TRIPLE POLE	
	TYPE OF MOUNTING ON PANEL FLUSH MOUNTING TYPE	
	CASE SIZE OF RELAY 121X158X224	
	OVER CURRENT IDMTL SETTING 50% TO 200% OF CT SECONDARY	
	FAULT IDMTL SETTING 5% TO 80% OF CT SECONDARY	
	EARTH FAULT INST. SETTING STANDARD CT SECONDARY CURRENT	
	CT SECONDARY 5A/1A SELECTABLE	
	DMT OF RELAY 3.0 SEC. (STANDARD)	
	NO. & TYPE OF CONTACTS 4 N/O SR	
	RELAY FLAG FLAG REQUIRED	
	AUXILLIARY SUPPLY AC/DC 95V TO 240VAC/DC +/-15%	
27	UNDERVOLTAGE RELAY	1
	MAKE OF RELAY L&T	
	DESIGNATION OF RELAY MV12	
	DES_OFCURRENT_OPRTD_RELAY U/V//O/V RELAY	
	NOO. OF POLE/ELEMENT FOR RELAY SINGLE POLE	
	TYPE OF MOUNTING ON PANEL FLUSH MOUNTING D/O TYPE	
	CASE SIZE OF RELAY 71(W)X158(H)X224(D)BEZEL	
	SETTING 20-95%/105-185%	
	CHARACTERASTIC INVERSE/DEFINITE TIME LAG	
	PROGRAMMABLE)	
	NO. & TYPE OF CONTACTS 2C/O SR	
	RELAY FLAG FLAG REQUIRED	
	AUXILLIARY SUPPLY AC/DC 88-264V DC	
	VT SECONDARY VOLTAGE 110V AC	

	3 PHASE, 4 WIRE, 3 ELEMENT	
	SUITABLE TO READ V,A,KW,KWH,KVAR, PF, FREQUENCY	
	ACCURACY CLASS: 1.0	
	OVERALL SIZE: 96x96 mm (FLUSH MOUNTING)	
	CTR: 2500/1600/800A FOR 1C	
	VT RATIO: 6600/110V AC	

TECHNICAL SPECIFICATIONS

(C) SYSTEM PARAMETERS

1.	RATED VOLTAGE	6600V
2.	RATED FREQUENCY	50HZ
3.	SYSTEM NEUTRAL	EFFECTIVELY EARTHED
4.	FAULT LEVEL	31.5 KA
5	DEGREE OF PROTECTION AS P0ER IS 3427:1969	IP4X FOR EXTERNAL ENCLOSURE

TECHNICAL SPECIFICATIONS

(B) CONTROL SUPPLY VOLTAGES

1.	CLOSING COIL	220V DC
2.	TRIPPING COIL	220V DC
3.	INDICATION CKT.	220V DC
4.	PANEL SPACE HEATER	230V AC
5.	SPR CHARGE MOTOR	220V DC

(C) GENERAL NOTES

1.	INTER PANEL WIRES SHALL BE SUPPLIED WITH THE PANEL, TO BE CONNECTED AT SITE
2.	ALL DOORS WILL BE EARTHED BY FLEXIBLE COPPER BRAID
3.	PANEL SHALL BE PAINTED INSIDE AND OUTSIDE WITH SHADE 631 OF IS-5.
4.	NEOPRENE GASKETS SHALL BE PROVIDED AT OPENING DOOR.
5.	ELECTRICAL & MECHANICAL INTERLOCK SHALL BE PROVIDED BETWEEN BOTH INCOMERS SUCH THAT AT A TIME ANY 1 INCOMER CAN BE MADE ON OUR OF 2.
6.	230V AC & 220V DC CONTROL SUPPLY SHALL BE RECEIVED AT INCOMERS & SAME SHALL BE DISTRIBUTED BY BUS WIRING TO OTHER PANELS.
7.	MECH. OPERATED EMERGENCY STOP PUSH BUTTON SHALL BE PROVIDED FOR VCB PANELS ONLY.
8.	THE OUTER MS SHEET BODY IS AVAILABLE AT SITE. ONLY THE ALL INTERNAL COMPONENTS SHOULD BE REPLACED WITH NEW ONE AS PER THIS BILL OF MATERIAL.

(D) CIRCUIT BREAKER

1.	APPLICABLE STANDARD	IS 13118/1991
2.	MECHANISM	TRIP FREE
3.	BREAKING CAPACITY	40 KA AT 6.6 KV
4.	SHORT TIME RATING	31.5 KA FOR 1 SEC
5.	BASIC INSULATION LEVEL (BIL)	20 KV POWER FRQ. WITHSTAND 60 KVP LIGHTENING IMPULES
6.	RATED CURRENT	3150A FOR I/C, 630 FOR TRANSFORMER OG 400 A VACUUME CONTACTOR FOR MOTOR & CAP OG
7	VCB MECHANISM	MOTOR OPERATED SPRING CHARGE MECHANISM.

(E) MAIN HORIZONTAL BUSBARS

1.	RATED CURRENT	3150A
2.	SHORT TIME RATING	40 KA FOR 1 SEC
3.	MATERIAL OF BUSBARS	ALUMINIUM
4.	INSULATION OF BUSBARS	HEAT SHRINKABLE PVC SLEEVES

(F) EARTH BAR

1.	MAERIAL OF EARTH BUS	COPPER
----	----------------------	--------

Thanking you.

Yours faithfully,

Executive Engineer,
Tembhu Lift Irrigation Mechanical & Electrical Unit,
Ogalewadi – Karad.

Copy submitted to the Superintending Engineer, Mechanical Circle (C.P.), Kolhapur, for information & necessary action please. It is requested to upload this offer on official website of department.
Office Notice Board.

To,
M/s 1) _____
2) _____
3) _____

Sub: - Regarding Budgetary Offers.

Dear Sirs,

With respect to above subject, you are requested to submit your budgetary offers for the work as per description given below for **Tembhu L.I.S. stage II**. The rates should be inclusive of all taxes, duties, transportation, etc. The budgetary offers should be submitted to this office within 07 days during working hours.

S. No.	Description	Qty	Rate	Amt
1	The job work for repairing, replacement of required spare part including manufacturing, providing, supply, fitting, testing, commissioning etc. Complete job for burst motor feeder of pump no. 2 having 6.6 KV, 3Ph, 50Hz, AC system by means of all necessary allied fitting as per standard design specifications by means of labour, other materials, wiring charges, handling etc. Complete job to provided motor trolley of HT panel at Tembhu LIS Stage-2			
	1.A. C. Vacuum Contractor 6.6 KV, 400 AMP (jyoti/CGL make)	1 Set		
	2.Closing Coil	2 Nos.		
	3.52 Contactor	1 Nos.		
	4.Tripping Coils for 6.6 KV Vacuum Contactor	1 Nos.		
	5.HT Fuse 6.6KV 200A Motor Duty, Bolted Fixing	3 Nos.		
	6.H.T Basin	1 Nos.		
	7.Replacement of control wiring of breaker	1 Set		
	8.Digital Voltmeter	1 Nos.		
	<u>Additional Spares-</u> 1. Motor Protection Relay (MPR) ABB make - 1Nos. 2. Under Voltage Relay (setting from 60V-117V) – 1Nos. 3. Trip Relay (CSPC make) - 1Nos. 4. Tripping Coils – 2Nos.			
	Total			

Thanking you.

Yours faithfully,

Executive Engineer,
Tembhu Lift Irrigation Mechanical & Electrical Unit,
Ogalewadi – Karad.

Copy submitted to the Superintending Engineer, Mechanical Circle (C.P.), Kolhapur, for information & necessary action please. It is requested to upload this offer on official website of department.
Office Notice Board.

Office of the Executive Engineer,
Tembhu Lift Irrigation Mech. & Elect. Unit,
Ogalewadi, Karad.
Dist-Satara. Pin- 415 105.
E-Mail: tembhumeunit@gmail.com
Date: / /2016.

To,

M/s. 1) _____
2) _____
3) _____

Subject: - Regarding Budgetary Offers...

Dear Sir,

With respect to above subject, you are requested to submit your budgetary offers for the work as per description given below for Tembhu Lift Irrigation Stage 4 & 5 respectively. The rates should be inclusive of all taxes, duties, transportation, etc. The budgetary offers for estimate purpose only should be submitted to this office within 07 days during working hours.

Sr.No	Description	Qty	Rate	Amt
1.	Hydraulically operated pump discharge valve:- Manufacturing, supply, erection at site, testing & commissioning of Double Flanged Hydraulically operated pump discharge valve of 1100 & 900 mm size having PN 1.0 & PN 1.60 rating respectively, which shall act as combined check & isolating valve with individual power pack unit & emergency opening arrangements with hydraulic reservoir generally confirming to relevant BS 5155 of 1984/IS13095 of 1991/AWWA-C- 504 etc. complete as per specification with one pair of companion flanges. 1. Diameter 1100 mm/900 mm 2. PN Rating 1.00 PN/ 1.60PN 3. Working Pressure 5 Bar 4. Differential Working Pressure 10 Bar 5. Maximum Working Pressure 10 Bar 6. Normal rate of flow in LPS 1667 7. Power Pack Unit 1 No. Etc. at Tembhu stage –IV site / V site	3 Nos. Ø 1100 mm 1 PN 5 Nos. Ø 900 mm 1.6 PN		
2.	Butterfly Valve:- Manufacturing, supply, erection at site, testing & commissioning of Double Flanged Butterfly Valve of 1800 mm size having PN 1.0 & PN 1.60 rating with electrical actuator generally confirming to relevant BS 5155 of 1984/IS13095 of 1991 / AWWA-C- 504 etc. complete as per specification with one pair of companion flanges & one dismantling joint 1. Diameter 1800 mm 2. PN Rating 1.00 PN/1.60 PN 3. Working Pressure 5 Bar 4. Differential Working Pressure 10 Bar 5. Maximum Working Pressure 10 Bar 6. Normal rate of flow in LPS 5000 Etc. at Tembhu stage –IV site / V site	1Nos. 1.00 PN 1Nos. 1.60 PN		

The budgetary offer should be reach this office within 10 days from the date of publication during working hours.

These offers are required for office work only No work orders will be issued in connection to these offers.

Please do the needful.

Thanking you.

Executive Engineer,
Tembhu Lift Irrigation Mech. & Ele.Unit,
Ogalewadi, Karad.

Copy Submitted to Superintendent Engineer, Mech. Circle, Kolhapur, for information & requested
to publish this offer on official site of mahayantriki.
Copy Notice Board.

To,

M/s 1) _____
2) _____
3) _____

Sub: - Regarding Budgetary Offers.

Dear Sirs,

With respect to above subject, you are requested to submit your budgetary offers for the work as per description given below for **LIS IIIA**. Taluka-Khanapur Dist-Sangli The rates should be inclusive of all taxes, duties, transportation, etc. The budgetary offers should be submitted to this office within 07 days during working hours.

Sr. No.	Description	Qty.	Rate	Amount
1	Job work of measuring discharge of 1940 HP pump-3 Nos. by Ultrasonic flow meter & Providing test report, including all measuring instruments & labour charges etc. for Tembhu Stage-III A Mahuli. 1) Type of pump- 1 stage. 2) V.T. Pump H.P.-1940 H.P. 3) Delivery pipe Diameter-1100 mm 4) Thickness of Pipe- 12 mm	3 Nos.		
		Total		

Thanking you.

Yours faithfully,

Executive Engineer,
Tembhu Lift Irrigation Mechanical & Electrical Unit,
Oglewadi – Karad.

Copy submitted to the Superintending Engineer, Mechanical Circle (C.P.), Kolhapur, for information & necessary action please. It is requested to upload this offer on official website of department.
Notice Board.

To,

M/s 1) _____
2) _____
3) _____

Sub: - Regarding Budgetary Offers.

Dear Sirs,

With respect to above subject, you are requested to submit your budgetary offers for the work as per description given below for **M/s. LEONARDO AUTOMATION INDIA PVT. LTD. MAKE HOPD PANEL LIS 1A**. Taluka-Karad Dist-Satara The rates should be inclusive of all taxes, duties, transportation, etc. The budgetary offers should be submitted to this office within 07 days during working hours.

Sr. No.	Description	Qty.	Rate	Amount
1	MODULAR THROTTLE & CHECK VALVE, MODEL MSW-03-YL-20 YUKEN MAKE	1 Nos		
		Total		

Thanking you.

Yours faithfully,

Executive Engineer,
Tembhu Lift Irrigation Mechanical & Electrical Unit,
Oglewadi – Karad.

Copy submitted to the Superintending Engineer, Mechanical Circle (C.P.), Kolhapur, for information & necessary action please. It is requested to upload this offer on official website of department.
Notice Board.

To,

M/s 1) _____
2) _____
3) _____

Sub: - Regarding Budgetary Offers.

Dear Sirs,

With respect to above subject, you are requested to submit your budgetary offers for the work as per description given below for **LIS 1A**. Taluka-Karad Dist-Satara The rates should be inclusive of all taxes, duties, transportation, etc. The budgetary offers should be submitted to this office within 07 days during working hours.

Sr. No.	Description	Qty.	Rate	Amount
1	<p>Job work required for manufacturing, providing, installing seasoned timber ball covered with rubber, packing, bolts etc. Complete for 200 mm IVC make Kinetic air valve as per specification on delivery pipe & rising main including material, moulding pattern, labour, workshop, sundry charges etc. complete job for Tembhu LIS stage 1A for rising main No. 4,5,6,</p> <p>1) make of air valve-IVC/BSJ-SHAU/Equivalent.</p> <p>2) Type of air valve-double orifice kinetic type.</p> <p>3) Size of air valve-200mm</p> <p>4) Class-PN 1.0</p> <p>5)working Pressure-10 Bar</p> <p>6) Test Pressure- 15 Bar</p> <p>i) Small orifice float-seasoned timber ball covered with soft rubber</p> <p>ii) Large orifice float-seasoned timber ball covered with hard Valcanite rubber</p> <p>iii) packing dexine seat ring. Bing big float</p> <p>iv)packing for small float</p>	20		
		20		

	v) Removing & refitting for above work.	20		
		20		
		20		
2	Job work of PROVIDING & SUPPLYING , checking & submitting calibration certificate, Testing, including service charges and all taxes, Transportation etc. complete job. For following level testing equipments & alignments checking instruments along with measuring like magnetic stand at Tembhu LIS stage 1 A pump house.			
I	Cast iron I- section straight edge 1500 mm lg. as per IS 5268-1991 GRADE-I	1 No.		
II	MASTER LEVEL of least count 0.02 mm/miter.			
III	MAGNETIC STAND suitable for dial indicator having following parts 1) magnetic stand 2) level 3) pole 4) support rod 5) support rod assly. 6) clamp knob 7) dial indicator mount hole 8) lug fixture 9) fine adjustment knob 10) bushing.	1 No.		
	DIAL INDICATOR with least count 0.01 mm capacity up to 10 mm.	1 No.		
IV		1 No.		

Thanking you.

Yours faithfully,

Executive Engineer,
Tembhu Lift Irrigation Mechanical & Electrical Unit,
Ogalewadi – Karad.

Copy submitted to the Superintending Engineer, Mechanical Circle (C.P.), Kolhapur, for information & necessary action please. It is requested to upload this offer on official website of department.
Notice Board.

To,

M/s 1) _____
2) _____
3) _____

Sub: - Regarding Budgetary Offers.

Dear Sirs,

With respect to above subject, you are requested to submit your budgetary offers for the work as per description given below for **Tembhu L.I.S. stage 3 A,3B** . The rates should be inclusive of all taxes, duties, transportation, etc. The budgetary offers should be submitted to this office within 07 days during working hours.

S. No.	Description	Qty	Rate	Amt
1	6.6 K.V. , 200 Amp bolted type HT HRC fuses heavy duty suitable for HT feeder of HT motor.	1 Nos.		
Total				

Thanking you.

Yours faithfully,

Executive Engineer,
Tembhu Lift Irrigation Mechanical & Electrical Unit,
Ogalewadi – Karad.

Copy submitted to the Superintending Engineer, Mechanical Circle (C.P.), Kolhapur, for information & necessary action please. It is requested to upload this offer on official website of department.
Office Notice Board.

To,

M/s 1) _____
2) _____
3) _____

Sub: - Regarding Budgetary Offers.

Dear Sirs,

With respect to above subject, you are requested to submit your budgetary offers for the work as per description given below for 1A. Taluka-Karad Dist-Satara The rates should be inclusive of all taxes, duties, transportation, etc. The budgetary offers should be submitted to this office within 07 days during working hours.

Sr. No.	Description	Qty.	Rate	Amount
1	Manufacturing, providing & Fitting 25mm X 4500mm gland Packing for VMF 30" V. T. Pumps @ Tembhu LIS Stage 1A.	1 0 Nos		
		Total		

Thanking you.

Yours faithfully,

Executive Engineer,
Tembhu Lift Irrigation Mechanical & Electrical Unit,
Oglewadi – Karad.

Copy submitted to the Superintending Engineer, Mechanical Circle (C.P.), Kolhapur, for information & necessary action please. It is requested to upload this offer on official website of department.
Notice Board.

To,

M/s 1) _____
2) _____
3) _____

Sub: - Regarding Budgetary Offers.

Dear Sirs,

With respect to above subject, you are requested to submit your budgetary offers for the work as per description given below for **Visapur stage IB**. The rates should be inclusive of all taxes, duties, transportation, etc. The budgetary offers should be submitted to this office within 07 days during working hours.

S. No.	Description	Qty	Rate	Amt
1	Replacement of damaged C. T. at Visapur stage IB with new one & erecting, testing, commissioning at site. The details of CT as below-			
	C.T. Ratio 800/5 Core 1:Class PS $V_k \geq 70$ vo/ts $I_e \leq 50\text{mA}@V_k/2$ Type bbb-4, 50 Hz BIL:-7.2/20/60KVP STC:-26.3KA for 1Sec IS:2705 IEC:60044	1 Nos.		
		Total		

Thanking you.

Yours faithfully,

Executive Engineer,
Tembhu Lift Irrigation Mechanical & Electrical Unit,
Ogalewadi – Karad.

Copy submitted to the Superintending Engineer, Mechanical Circle (C.P.), Kolhapur, for information & necessary action please. It is requested to upload this offer on official website of department.
Office Notice Board.

To,

M/s 1) _____
2) _____
3) _____

Sub: - Regarding Budgetary Offers.

Dear Sirs,

With respect to above subject, you are requested to submit your budgetary offers for the work as per description given below for 1A & 3A The rates should be inclusive of all taxes, duties, transportation, etc. The budgetary offers should be submitted to this office within 07 days during working hours.

Sr. No.	Description	Qty.	Rate	Amount
1	Manufacturing, providing & Fitting Ø 16mm cable insulator stud for 6.6 KV, 15 kw HT Motor @ Tembhu LIS Stage 1A & 3A.	20 Nos		
		Total		

Thanking you.

Yours faithfully,

Executive Engineer,
Tembhu Lift Irrigation Mechanical & Electrical Unit,
Oglewadi – Karad.

Copy submitted to the Superintending Engineer, Mechanical Circle (C.P.), Kolhapur, for information & necessary action please. It is requested to upload this offer on official website of department.
Notice Board.