

MAHARASHTRA KRISHNA VALLEY DEVELOPMENT CORPORATION PUNE 411011

(A GOVT. OF MAHARASHTRA UNDERTAKING)

BUDGETORY OFFER NOTICE NO. EE/SECPK/02/2014-15 (Third Call)

Budgetory offer for the following work are invited from Manufacturers/ contractors having experience of the said work for estimate purpose. Please submit the rate to The Office of Executive Engineer, Takari Mechanical & Electrical Division, Warnali, Sangli 416415 Maharashtra. on or before 26/10/2015.

Name of work :- Supply installation & commissioning of L.T. & H.T. Switchgears for pumping machinery's electrical equipments of Lift Irrigation Scheme.

Sr.No	Description of Item	Qty.	Unit	Rate
	A) L.T. Panel			
1	Supply, installation & commissioning of 415V,3Ph,50Hz,630A,45kv breaking capacity manually operated draw out type air circuit breaker in existing L.T. panel.	1	No.	
2	Supply, installation & commissioning of 415V,3Ph,50Hz,800A,45kv breaking capacity manually operated draw out type air circuit breaker in existing L.T. panel.	1	No.	
3	Supply, installation & commissioning of 415 V, single phase, tape insulated current transformer, ratio 630/1A, CL1 10VA in existing LT panel	1	No.	
4	Supply, installation & commissioning of 415 V, single phase, tape insulated current transformer, ratio 800/1A, CL1 10VA in existing LT panel	1	No.	
5	Supply, installation & commissioning of 415 V, single phase, tape insulated current transformer, ratio 630/5A, CL 5P10VA in existing LT panel	1	No.	
6	Supply, installation & commissioning of 415 V, single phase, tape insulated current transformer, ratio 800/5A, CL 5P10VA in existing LT panel	1	No.	
7	Supply, installation & commissioning of flash mounted, numarcal type combined overcurrent & earth fault relay 2 0/c + 1E/F in existin LT panel.	1	No.	
8	Supply, installation & commissioning of 415V, 3ph, 50Hz, contactor having 4 Nos. elements in existing LT panel.	1	No.	
9	Supply, installation & commissioning of flush mounted, 3ph, 4 wire, 415 V, 1A digital multifunction meter having size 96 X 96 mm, class 1 for measuring KWH / power factor in existing LT panel.	1	No.	
10	Supply, installation & commissioning of moving Iron type, 96 X 96 mm, scale range 0-630A, CT ratio, 630/1A, ammeter in existing LT panel.	1	No.	
11	Supply, installation & commissioning of moving Iron type, 96 X 96 mm, scale range 0-630A, CT ratio, 800/1A, ammeter in existing LT panel.	1	No.	
12	Supply, installation & commissioning of moving Iron type, 96 X 96 mm, scale range 0-500V, voltmeter in existing LT panel.	1	No.	
13	Supply, installation & commissioning of Four position rotary type Ammeter selector switch in existing LT panel.	1	No.	
14	Supply, installation & commissioning of Four position rotary type Voltmeter selector switch in existing LT panel.	1	No.	
15	Supply, installation & commissioning of indicating lamps of Red/Green/Amber/Whiter colour suitable for AC/DC supply having dia-22-5 mm in existing LT panel.	1	No.	
16	Supply, installation & commissioning of 22.55 dia, metalic type push button in existing LT panel.	1	No.	
17	Supply, installation & commissioning of Tripple pole 415V, 3Ph, 50Hz, 32A switch with neatural ling in existing LT panel.	1	No.	
18	Supply, installation & commissioning of Tripple pole 415V, 3Ph, 50Hz, 63A switch with neatural ling in existing LT panel.	1	No.	
19	Supply, installation & commissioning of Tripple pole 415V, 3Ph, 50Hz, 100A switch with neatural ling in existing LT panel.	1	No.	
20	Supply, installation & commissioning of Tripple pole 415V, 3Ph, 50Hz MCCB 63A in existing LT panel.	1	No.	
21	Supply, installation & commissioning of Tripple pole 415V, 3Ph, 50Hz MCCB 100A in existing LT panel.	1	No.	
22	Supply, installation & commissioning of Tripple pole 415V, 3Ph, 50Hz MCCB 200A in existing LT panel.	1	No.	

Sr.No	Description of Item	Qty.	Unit	Rate
23	Supply, installation & commissioning of 415V, 3Ph, 50Hz 16A power contactor in existing LT panel.	1	No.	
24	Supply, installation & commissioning of 415V, 3Ph, 50Hz 32A power contactor in existing LT panel.	1	No.	
25	Supply, installation & commissioning of 415V, 3Ph, 50Hz 63A power contactor in existing LT panel.	1	No.	
26	Supply, installation & commissioning of 415V, 3Ph, 50Hz 100A power contactor in existing LT panel.	1	No.	
27	Supply, installation & commissioning of 415V, 3Ph, 50Hz, biometric overcurrent relay in existing LT panel.	1	No.	
28	Supply, installation & commissioning of 415V Tripple pole with neutral 100A change over switch in existing LT panel.	1	No.	
29	Supply, installation & commissioning of 415V Tripple pole with neutral 200A change over switch in existing LT panel.	1	No.	
30	Supply, installation & commissioning of HRC fuse link 2A to 32A in existing LT panel.	1	No.	
31	Supply, installation & commissioning of HRC fuse link 63A to 100A in existing LT panel.	1	No.	
32	Supply, installation & commissioning of HBC fuse link 2A to 63A in existing LT panel.	1	No.	
33	Supply, installation & commissioning of 415V, 3ph, 50Hz. Switch fuse unit having 16A in existing LT panel.	1	No.	
34	Supply, installation & commissioning of 415V, 3ph, 50Hz. Switch fuse unit having 32A in existing LT panel.	1	No.	
35	Supply, installation & commissioning of 415V, 3ph, 50Hz. Switch fuse unit having 63A in existing LT panel.	1	No.	
36	Supply, installation & commissioning of 415V, 3ph, 50Hz. Switch fuse unit having 100A in existing LT panel.	1	No.	
37	Supply, installation & commissioning of 415V, 3ph, 50Hz. APP type capacitor bank having 10KVAR capacity etc. complete	1	No.	
38	Supply, installation & commissioning of 415V, 3ph, 50Hz. APP type capacitor bank having 20KVAR capacity etc. complete	1	No.	
39	Supply, installation & commissioning of 415V, 3ph, 50Hz. APP type capacitor bank having 30KVAR capacity etc. complete	1	No.	
40	Supply, installation & commissioning of 415V, 3ph, 50Hz. APP type capacitor bank having 40KVAR capacity etc complete	1	No.	
41	Supply, installation & commissioning of 415V, 3ph, 50Hz. APP type capacitor bank having 50KVAR capacity etc complete	1	No.	
42	Supply, installation & commissioning of 415V, 3ph, 50Hz. APP type capacitor bank having 75KVAR capacity etc. complete	1	No.	
43	Supply, installation & commissioning of 415V, 3ph, 50Hz. APP type capacitor bank having 100KVAR capacity etc. complete	1	No.	
44	Supply, installation & commissioning of insulator suitable for LT supply 500V, in existing panel	1	No.	
45	Supply, installation & commissioning of 60X10 mm single aluminium bus-bar in existing LT panel.	1	Mtr	
46	Supply, installation & commissioning of 80X10 mm single aluminium bus-bar in existing LT panel.	1	Mtr	
47	Supply, installation & commissioning of 50X5 mm GI trip for neutral in existing LT panel.	1	Mtr	
48	Supply, installation & commissioning of 60X5 mm GI trip for neutral in existing LT panel.	1	Mtr	
49	Supply, installation & commissioning of ISI mark 1.5 sq.mm Copper conductor flexible wire suitable for control wiring etc complete.	1	Mtr	
50	Supply, installation & commissioning of ISI mark 2.5 sq.mm Copper conductor flexible wire suitable for control wiring etc complete.	1	Mtr	

Sr.No	Description of Item	Qty.	Unit	Rate
51	Supply & installation of 14/16 guage, painted m.s. cubicle of suitable size for LT panel .	1	Sq. Mtr	
	B) H.T. Panel			
1	Supply, intallation, testing and commissining of 11Kv 3 Ph, 50 Hz, 630A 25 KA Vacuum circuit breaker in existing medium volt panel.	1	No.	
2	Supply, intallation, testing and commissining of 11Kv 3 Ph, 50 Hz, 1600A 25 KA Vacuum circuit breaker in existing medium volt panel.	1	No.	
3	Supply, intallation, testing and commissining of 11Kv 3 Ph, 50 Hz, 2500A 40 KA Vacuum circuit breaker in existing medium volt panel.	1	No.	
4	Supply, intallation, testing and commissining of 11Kv 3 Ph, 50 Hz, 3150A 40 KA Vacuum circuit breaker in existing medium volt panel	1	No.	
5	Supply, installation & commissioning of 11KV, single phase 150/1-1-1 A tape Insulated type current transformer in existing M.V. panel etc. complete	1	No.	
6	Supply, installation & commissioning of 6.6KV, single phase 2500/1-1-1A Window type cast resin current transformer in existing M.V. panel etc. complete	1	No.	
7	Supply, installation & commissioning of 6.6KV, single phase 1500/1-1-1 A Window type cast resin current transformer in existing M.V. panel etc. complete	1	No.	
8	Supply, installation & commissioning of 3.3KV, single phase 500/1-1-1 A Window type cast resin current transformer in existing M.V. panel etc. complete	1	No.	
9	Supply, installation & commissioning of 11KV, single phase, 150/1-1 A, tape Insulated type current transformer in existing M.V. panel etc. complete	1	No.	
10	Supply, installation & commissioning of 6.6KV, single phase, 150/1-1A, tape Insulated type current transformer in existing M.V. panel etc. complete	1	No.	
11	Supply, installation & commissioning of 6.6KV, single phase, 100/1-1A, tape Insulated type current transformer in existing M.V. panel etc. complete	1	No.	
12	Supply, installation & commissioning of 3.3KV, single phase, 100/1-1A, tape Insulated type current transformer in existing M.V. panel etc. complete	1	No.	
13	Supply, installation & commissioning of 11KV/ $\sqrt{3}$, 110/ $\sqrt{3}$ single phase, Two core potention transformer with protection and metering class in existing M.V. panel etc. complete.	1	No.	
14	Supply, installation & commissioning of 6.6KV/ $\sqrt{3}$, 110/ $\sqrt{3}$ single phase, Two core potention transformer with protection and metering class in existing M.V. panel etc. complete	1	No.	
15	Supply, installation & commissioning of 3.3KV/ $\sqrt{3}$, 110/ $\sqrt{3}$ single phase, Two core potention transformer with protection and metering class in existing M.V. panel etc. complete	1	No.	
16	Supply, installation, testing and commissioning of motor protection relay having 2 O/C +1 E/F suitable for 1A/5A C.T. ratio operating on AC/DC Auxilary supply in existing M.V. panel etc. complete.	1	No.	
17	Supply, installation, testing and commissioning of IDMTL Inst. Relay, 2 O/C +1 E/F suitable for 1A/5A C.T. ratio operating on AC/DC Auxilary supply in existing M.V. panel etc. complete.	1	No.	
18	Supply, installation, testing and commissioning of under voltage relay suitable for AC/DC Auxilary supply in existing M.V. panel etc. complete	1	No.	
19	Supply, installation, testing and commissioning of earth fault relay suitable for AC/DC Auxilary supply in existing M.V. panel etc. complete	1	No.	
20	Supply, installation, testing and commissioning of Lock out relay suitable for AC/DC Auxilary supply in existing M.V. panel etc. complete	1	No.	
21	Supply, installation, testing and commissioning of Auxilary relay suitable for in existing M.V. panel etc. complete	1	No.	
22	Supply, installation, testing and commissioning of Trip ckt. supervision relay suitable for AC/DC Auxilary supply in existing M.V. panel etc. complete	1	No.	

Sr.No	Description of Item	Qty.	Unit	Rate
23	Supply, installation & commissioning of 3 position type, 415 V, 25 A, breaker control switch in existing panel etc. complete	1	No.	
24	Supply, installation & commissioning of Two position type, local remote switch in existing panel etc. complete	1	No.	
25	Supply, installation & commissioning of Terminal position link in existing panel etc. complete	1	No.	
26	Supply, installation & commissioning of VT plug suitable for 8 to 16 mm in existing panel etc. complete	1	No.	
27	Supply, installation & commissioning of Limit switch suitable for vacuum contactor.	1	No.	
28	Supply, installation & commissioning of 230V, 16A on/off switch in existing panel etc. complete.	1	No.	
29	Supply, installation & commissioning of spring charging motor used on AC/DC supply for vacuum circuit breaker .	1	No.	
30	Supply, installation & commissioning of hour meter suitable for AC supply in existing panel etc complete .	1	No.	

Terms & Conditions:

- 1) The rates should be quoted including of all taxes & duties by Agency/contractor.
- 2) All material Tools & Tackles required for the work is to be Provided by contractor.
- 3) Agency shall furnish Make & Type of switchgears, Relay, control accessories etc.

(M.M.More)
Executive Engineer,
Takari Mechanical & Electrical Division,
Sangli.