

Phone No.
26131729 , 26050286 (P),
26132342 (Fax)
Email ID:
se6100@mahatransco.in



Office of the
The Superintending Engineer
Administrative Building,
III rd floor, Rasta Peth,
Pune – 400 011.

Ref No. SE/EHV/O&M/Circle/Pune/T/

2409

Date: 05 DEC 2022

ENQUIRY

To,
Whomsoever Concern

Sub: - Enquiry for budgetary offers for estimation purpose for work of Servicing / Overhauling of AREVA/ALSTOM/GE make, 245kV & 145kV SF6 Circuit Breakers (CBs) with supply of mandatory & optional spares at various Substations under EHV O&M Circle Pune.

Dear Sir,

The budgetary offers through mail id se6100@mahatransco.in or hard copy on office address are invited for the above work as per enclosed Annexure. You are requested to quote your reasonable rate for the above work. The terms and conditions are as follows.

Terms and Conditions -

1) Scope of Work:- Work contents involved in overhauling work:

a. Mechanism housing.

Complete dismantling, cleaning and reassembling of the sub-assemblies with specified tolerances as per the product specifications, especially spring charging assembly, Ratchet and stopper wheel. Cam Roller assembly. AM cylinder assembly, control valve assembly, Trip and close coil assembly, Antipumping assembly, and Shock absorber assembly.etc.

b. Electrical System.

Complete checking of the control and auxiliary circuit with reference to approved schematic drawing.

c. Pneumatic system.

Checking of Gas Main and Isolating valves, Safety valve, Drain valve, Check valve, Compressor unit, Gas and Air Pressure switches, Air reservoirs. Replacement of Gas Pipe O rings etc and Check for air and gas leakage.

d. General.

1. Visual check. 2. Check for water seepage if any. 3. Operation of On/Off indication. 4. Operation counters 5. Heaters and thermostats. Critical settings of various components, etc.

e. Pole Overhauling.

1. Contacts inspection. / Replacement if required
2. Nozzle inspection/ Replacement if required
3. Replacement of desiccant/absorbent
4. Inspection and cleaning of pole unit/porcelain.
5. Tightness of hardware's/fasteners

f. Testing.

After overhauling, the breaker shall be tested for all the necessary pre-commissioning checks covering stroke/wipe/over travel measurements, electrical sequence check, pressure switch calibration, Operational timings measurement, etc. A detailed Overhauling check list has been framed covering all the above check points which shall be duly filled in and maintained as a record after completion of the job along with the commissioning checklist.

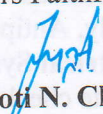
All the T&P & machinery for above works will be provided by you including crane, SF6 gas handling plant, test equipments, loading/unloading pole for servicing/OH.
A detailed overhauling check list covering all the above check points duly filled with measured values compared to the standard values duly signed by your engineer/representative should be submitted along with guarantee certificate on completion of job.

- 2) A manufacturer or authorized dealer/channel partner of the manufacturer can submit budgetary offer. If the bidder is authorized dealer/channel partner, then Bidder must have a valid authorization letter from manufacturer.
- 3) The rate should be quoted on firm quotation basis.
- 4) The rates should be inclusive of all taxes.
- 5) Your offer through mail should reach this office **on or before Date:- 12.12.2022 till 18:00 hrs.**
- 6) Following documents should be submitted along with your offer:-
 - 1) valid Electrical Contractor's license;
 - 2) GST Registration (if applicable),
 - 3) PAN Card,
 - 4) The Work done / Performance Certificate against said work orders in MSETCL from Authorized Person / Competent Authority

Please note that, this enquiry is only for budgetary offers for preparation of estimate only.
No work order will be issued based on this Enquiry.

Thanking you,

Yours Faithfully,


(Jyoti N. Chimte)
Superintending Engineer,
EHV (O&M) Circle, Pune

Copy to:
The GM (F&A), EHV O&M Circle Pune.
M/F

Details of ALSTOM make EHV Circuit Breakers Under EHV O&M Circle,Pune

EHV O&M DIVISION-II, PUNE

Sr. No.	Name of EHV S/s	Name of Bay	Make Type Sr No. of CB	Year of Mfg of CB	Date of Commissioning of CB	Previous date of O/H	O/H of CB Required			Availability of spare / Supply portion if any	Remark
							Pole O/H	Mechanism O/H	Pole & Mechanism O/H		
							YES/ No	YES/ No	YES/ No		
1	220kV Talegaon	220kV PGCIL-1	Make:ALSTOM Type:GL314 Sr. No.:220019	2012	21.04.2011	NA	--	--	YES	1) OH kit: Required, 2) Spare: Mandatory spares required	Due for OH

EHVO&M Pimpri-Chinchwad Division

Sr. No.	Name of EHV S/s	Name of Bay	Make Type Sr No. of CB	Year of Mfg of CB	Date of Commissioning of CB	Previous date of O/H	O/H of CB Required			Availability of spare / Supply portion if any	Remark
							Pole O/H	Mechanism O/H	Pole & Mechanism O/H		
							YES/ No	YES/ No	YES/ No		
1	220kV Chinchwad ss	220kV TF no.8 HV	GL314	2005	16.05.2008	Not done	-	YES	-	NO	Spare / Supply portion required
2		220kV ICT no.3 HV	GL314	2005	25.08.2008	Not done	-	YES	-	NO	Spare / Supply portion required
3	132kV Markal S/s	132/33kV 50MVA T/F no.3	GL312P	2012	15.07.2014	Not done	-	Yes	-	No	Spare / Supply portion required
4		132/22kV 25MVA T/F no.4	GL312P	2012	8.6.2018	Not done	-	Yes	-	No	Spare / Supply portion required

EHV O&M DIVISION-I, PUNE

Sr. No.	Name of EHV S/s	Name of Bay	Make Type Sr No. of CB	Year of Mfg of CB	Date of Commissioning of CB	Previous date of O/H	O/H of CB Required			Availability of spare / Supply portion if any	Remark
							Pole O/H	Mechanism O/H	Pole & Mechanism O/H		
							YES/ No	YES/ No	YES/ No		
5	220kV Nanded City S/stn	220kV TBC Bay	ALSTOM/GL 314/220287	41275	27.01.2014	Not done since commissioning	NO	YES	NO	No	As per the recommendations of the manufacturer O/H depends on condition monitoring
6	220kV Nanded City S/stn	220kV Bus Sectionalizer Bay	ALSTOM/GL 314/210018	41275	27.01.2014	Not done since commissioning	NO	YES	NO	NO	As per the recommendations of the manufacturer O/H depends on condition monitoring
7	220kV Nanded City S/stn	220kV Flagship line Bay	ALSTOM/GL 314/220286	41275	27.01.2014	Not done since commissioning	NO	YES	NO	NO	As per the recommendations of the manufacturer O/H depends on condition monitoring
8	220kV Nanded City S/stn	221kV Kondhwa line Bay	ALSTOM/GL 314/220289	41275	27.01.2014	Not done since commissioning	NO	YES	NO	NO	As per the recommendations of the manufacturer O/H depends on condition monitoring
9	220kV Nanded City S/stn	220kV 50 MVA PTR-1 Bay	ALSTOM/GL 314/210017	41275	27.01.2014	Not done since commissioning	NO	YES	NO	NO	As per the recommendations of the manufacturer O/H depends on condition monitoring
10	220kV Nanded City S/stn	220kV 50 MVA PTR-2 Bay	ALSTOM/GL 314/210019	41275	27.01.2014	Not done since commissioning	NO	YES	NO	NO	As per the recommendations of the manufacturer O/H depends on condition monitoring

Details of Areva make EHV Circuit Breakers Under EHV O&M Circle,Pune

EHVO&M Manchar Division

Sr. No.	Name of EHV S/s	Name of Bay	Make Type Sr No. of CB	Year of Mfg of CB	Date of Comissioing of CB	Previous date of O/H	O/H of CB Required			Availability of spare / Supply portion if any	Remark
							Pole O/H	Mechanism O/H	Pole & Mechanism O/H		
							YES/ No	YES/ No	YES/ No		
1	220KV Alephata	132 KV Alephata-Narayangaon Line 1	AREVA, 212178	2007	04.06.1999	Not overhauled	---	---	Yes	No	

EHVO&M Pimpri-Chinchwad Division

Sr. No.	Name of EHV S/s	Name of Bay	Make Type Sr No. of CB	Year of Mfg of CB	Date of Comissioing of CB	Previous date of O/H	O/H of CB Required			Availability of spare / Supply portion if any	Remark
							Pole O/H	Mechanism O/H	Pole & Mechanism O/H		
							YES/ No	YES/ No	YES/ No		

2	220kV Chinchwad-IIs	220 kV TBC bay (bay no. 201)	AREVA Make GL314	2006	09.06.2017	Not done	-	-	YES	NO	Manufactured in 2006. Erection in 2009.CB was kept idle till charging ie dt	Considering the manufacturing year and no. of shelf and service life breaker
3		220 kV Telco line bay (bay no. 202)	AREVA Make GL314	2006	10.03.2017	Not done	YES	-	-	NO	Manufactured in 2006,Erection in 2009.CB was kept idle till charging ie dt	Considering high CRM values Pole overhauling is proposed.
4		220 kV Chakan line bay (bay no. 203)	AREVA Make GL314	2006	08.06.2017	Not done	YES	-		NO	Manufactured in 2006 Erection in 2009, CB was kept idle till charging ie. Dt	Considering high CRM values Pole overhauling is proposed.
5		220 kVUrse line bay (bay no. 204)	AREVA Make GL314	2007	Spare	Not done	-	-	YES	NO	Manufactured in 2007,Erection in (2009-2010) CB is idle till date.	Considering the manufacturing year and idling period, breaker overhauling is
6		220 kV Hinjewadi line bay (bay no. 205)	AREVA Make GL314	2007	31.12.2020	Not done	YES	-		NO	Manufactured in 2007,Erection in (2009-10), CB was kept idle till charging ie dt	Considering high CRM values Pole overhauling is proposed.
7		220 kV Flagship line bay (bay no. 206)	AREVA Make GL314	2011	31.12.2020	Not done	YES	-		NO	Manufactured in 2011. Erection in 2012. CB was idle till charging ie dt 31.12.2020.	Considering high CRM values Pole overhauling is proposed.
8		220 kV Parvati line bay (bay no. 207)	AREVA Make GL314	2011	31.12.2020	Not done	-	-	YES	NO	Manufactured in 2011.Erection in 2012, CB was idle till charging ie dt 31.12.2020.	Considering the manufacturing year and no. of shelf and service life breaker
9		220 kVInterconnector (I) line bay (bay no. 208)	AREVA Make GL314	2011	10.03.2017	Not done	-	-	YES	NO	Manufactured in 2011,Erection in 2012,CB was idle till charging ie. dt 10.03.2017.	Considering the manufacturing year and no. of shelf and service life breaker
10		220 kV ICT I bay (bay no. 209)	AREVA Make GL314 (Gang operated)	2007	Spare	Not done	-	-	YES	NO	Manufactured in 2007,Erection in (2009-2010),CB is idle till date. Will be charged	Considering the manufacturing year and idling period, breaker overhauling is

11		220 kV Interconnector (II) line bay (bay no. 210)	AREVA Make GL314	2011	Spare	Not done	-	-	YES	NO	Manufactured in 2011. Erection in 2012, CB is idle till date. Will be charged soon.	Considering the manufacturing year and idling period, breaker overhauling is
12		220 kV ICT II bay (bay no. 211)	AREVA Make GL314 MGO	2011	23.05.2017	Not done	-	-	YES	NO	Manufactured in 2011. Erection in 2012, CB was idle till charging i.e. dt 23.05.2017.	Considering the manufacturing year and idling period, breaker overhauling is
13		220 kV Bus Coupler Bay (bay no. 212)	AREVA Make GL314 MGO	2011	31.12.2020	Not done	-	-	YES	NO	Manufactured in 2011. Erection in 2012. CB was	Considering the manufacturing year and idling
14	220kV Chinchwad ss	220kV ICT no.6 HV	SF6 CB/GL314	2007	17.08.2011	Not done	-	YES	-	NO	Spare / Supply portion required	
15		220kV TF no.5 HV	GL314	2007	13.05.2011	Not done	-	-	YES	NO	Spare / Supply portion required	
16		220kV TF no.2 HV	GL314MGO	2008	14.05.2011	Not done	-	YES	-	NO	Spare / Supply portion required	
17		220kV ICT no.7 HV	GL314	2007	10.12.2011	Not done	-	YES	-	NO	Spare / Supply portion required	
18	220kV Telco S/s.	220kV Chinchwad-2 Line bay	GL 314	2007	20.05.2011	Not done since commissioning	-	-	YES	NO	Spare / Supply portion required	
19	132kV Bajaj Auto S/s.	132kV Markal Line	GL312 with FK3-1 Mechanism	2006	31.10.2006	Not done since commissioning	-	-	YES	NO	Spare / Supply portion required	
20		132kV Chinchwad-1 Line	GL312 with FK3-1 Mechanism	2006	31.10.2006	Not done since commissioning	-	-	YES	NO	Spare / Supply portion required	

EHV O&M DIVISION-I, PUNE

Sr. No.	Name of EHV S/s	Name of Bay	Make Type Sr No. of CB	Year of Mfg of CB	Date of Commissioning of CB	Previous date of O/H	O/H of CB Required			Availability of spare / Supply portion if any	Remark
							Pole O/H	Mechanism O/H	Pole & Mechanism O/H		
							YES/ No	YES/ No	YES/ No	YES/ No	
21	220kV Serum S/stn	220kV Magarpatta bay	Make:AREVA Type:GL314 Sr. No.:151647	2009	03.06.2010	NA	--	YES	--	1) OH kit: Required, 2) Spare: Mandatory spares required	
22	220kV Serum S/stn	220kV Phursungi bay	Make:AREVA Type:GL314 Sr. No.:151648	2009	03.06.2010	NA	--	YES	--	1) OH kit: Required, 2) Spare: Mandatory spares required	
23	132kV Kharadi S/stn	2/22KV 50MVA BBL TF-1 F	Areva, FK3-1CK, 213224	2011	05.05.2012	Not done since commissioning	NO	YES	NO	NO	OH of Opt. Mechanism not done since commissioning i.e. from 10 years. Manufacturer recommends mechanism overhaul after 7 years.
24	132kV Kharadi S/stn	132/22KV 50MVA TF-3 HV	Areva, FK3-1CK, 210718	2010	13.05.2010	Not done since commissioning	NO	YES	NO	NO	OH of Opt. Mechanism not done since commissioning i.e. from 12 years. Manufacturer recommends mechanism overhaul after 7 years.
25	132kV GKRS S/stn	132/11kV , 25 MVA, TF no 5	Make:- Areva; Type:- GL312P , Sr.No:-213250	2011	09.09.2011	NA	YES	YES	Yes	NO	OH of Opt. Mechanism not done since
26	132kV Mundhawa S/stn	125/11kV TF no 5 HV Bay	Make:- Areva; Type:- TYPE GL312P , Sr.No:-21321	2011		NA	YES	YES	Yes	NO	

EHV O&M DIVISION-II, PUNE											
Sr. No.	Name of EHV S/s	Name of Bay	Make Type Sr No. of CB	Year of Mfg of CB	Date of Comissioing of CB	Previous date of O/H	O/H of CB Required			Availability of spare / Supply portion if any	Remark
							Pole O/H	Mechanism O/H	Pole & Mechanism O/H		
							YES/ No	YES/ No	YES/ No		
27	220kV Talegaon	220kV Urse-1	Make:AREVA Type:GL314 Sr. No.:151814	2009	21.04.2011	NA	--	--	YES	1) OH kit: Required, 2) Spare: Mandatory spares required	--
28	220kV Talegaon	220kV Urse-2	Make:AREVA Type:GL314 Sr. No.:151816	2009	21.04.2011	NA	--	--	YES	1) OH kit: Required, 2) Spare: Mandatory spares required	--
29	220kV Talegaon	220kV G.M.	Make:AREVA Type:GL314 Sr. No.:151817	2009	21.04.2011	NA	--	--	YES	1) OH kit: Required, 2) Spare: Mandatory spares required	--
30	220kV Talegaon	220kV Bus Coupler	Make:AREVA Type:GL314MGO Sr. No.:200448	2009	21.04.2011	NA	--	--	YES	1) OH kit: Required, 2) Spare: Mandatory spares required	--
31	220kV Talegaon	220kV TBC	Make:AREVA Type:GL314 Sr. No.:151815	2009	21.04.2011	NA	--	--	YES	1) OH kit: Required, 2) Spare: Mandatory spares required	--
32	220kV Talegaon	220kV PGCIL-2	Make:AREVA Type:GL314 Sr. No.:151818	2009	21.04.2011	NA	--	--	YES	1) OH kit: Required, 2) Spare: Mandatory spares required	--
33	220kV Talegaon	220/22kV TF-1	Make:AREVA Type:GL314MGO Sr. No.:200449	2009	21.04.2011	NA	--	--	YES	1) OH kit: Required, 2) Spare: Mandatory spares required	--
34	220kV Talegaon	220/22kV TF-2	Make:AREVA Type:GL314MGO Sr. No.:200450	2009	21.04.2011	NA	--	--	YES	1) OH kit: Required, 2) Spare: Mandatory spares required	--
35	220 kV Pirangut S/s	220/22 KV 50 MVA T/F HV BAY	Make: AREVA Type: FK3-1 Sr.No: 150475GL314	2006	26.12.2007	Not Done	NO	YES	NO	1.Mechanism Overhauling Kit :-Required 2. List of spares-Tripping and closing coil required.	
36	132/100/33kV Andralake S/stn	100kV Bus section bay	Make: AREVA Type: FK3-1CK Sr.No.: 211921	2010	19.08.2011	NA	--	--	YES	No spare availabale. Overhauling kit with mandetory spare required	--
37	132/100/33kV Andralake S/stn	100kV TBC bay	Make: AREVA Type: FK3-1CK Sr.No: 211922	2010	19.08.2011	NA	--	--	YES	No spare availabale. Overhauling kit with mandetory spare required	--
38	132kV Andralake	132KV TALEGAON	Make: AREVA Type: FK3-1CK Sr.No: 211919	2010	16-08-2011	Not Done	--	--	YES	-	Due for OH
39	132kV Andralake	132KV KHOPOLI	Make: AREVA Type: FK3-1CK Sr.No: 211923	2010	16-08-2011	Not Done	--	--	YES	-	Due for OH
40	132kV Andralake	PTR 1 HV	Make: AREVA Type: FK3-1CK Sr.No: 211918	2011	16-08-2011	Not Done	NO	NO	NO	-	Not required
41	132kV Andralake	PTR 2 HV	Make: AREVA Type: FK3-1CK Sr.No: 211920	2011	23-12-2011	Not Done	NO	NO	NO	-	Not required
42	132kV Andralake	PTR 3 HV	Make: AREVA Type: FK3-1CK Sr.No: 211924	2011	22-02-2012	Not Done	NO	NO	NO	-	Not required
43	132kV Kamthadi	132KV PTR 3 HV BAY CB	Make: AREVA Type: FK3-1CK Sr.No: 213219	2013	22-07-2016	Not Done	NO	NO	NO	-	Not required
44	132kV Kamthadi	132KV PTR 2 HV BAY CB	Make: AREVA Type: FK3-1CK Sr.No: 213220	2013	05-08-2016	Not Done	NO	NO	NO	-	Not required

400kV Lonikand II Ss										
Sr. No.	Name of EHV S/s	Name of Bay	Make Type Sr No. of CB	Year of Mfg of CB	Date of Comissioing of CB	Previous date of O/H	O/H of CB Required			Availability of spare / Supply portion if any
							Pole O/H	Mechanism O/H	Pole & Mechanism O/H	
							YES/ No	YES/ No	YES/ No	
45	400 kV Lonikand-II S/s	Spare ICT (401)	4210700008 Type: GL316	2010	02-01-2013	Not overhauled since commissioning	No	No	YES	No
46	400 kV Lonikand-II S/s	Spare Bay (403)	160980 Type: GL316	2010	30/06/12	Not overhauled since commissioning	No	No	YES	No
47	400 kV Lonikand-II S/s	Spare Bay (404)	160979 Type: GL316	2010	30/06/12	Not overhauled since commissioning	No	No	YES	No
48	400 kV Lonikand-II S/s	TIE Bay (406)	160978 Type: GL316	2010	30/06/12	Not overhauled since commissioning	No	No	YES	No
49	400 kV Lonikand-II S/s	125MVAR Bus Reactor Bay (407)	160977 Type: GL316	2010	30/06/12	Not overhauled since commissioning	No	No	YES	No
50	400 kV Lonikand-II S/s	TIE Bay (409)	160976 Type: GL316	2010	26/3/12	Not overhauled since commissioning	No	No	YES	No
51	400 kV Lonikand-II S/s	Parali-II Bay (410)	160975 Type: GL316	2010	26/3/12	Not overhauled since commissioning	No	No	YES	No
52	400 kV Lonikand-II S/s	TIE Bay (412)	160974 Type: GL316	2010	30/11/13	Not overhauled since commissioning	No	No	YES	No
53	400 kV Lonikand-II S/s	TIE Bay (413)	160973 Type: GL316	2010	30/11/13	Not overhauled since commissioning	No	No	YES	No
54	400 kV Lonikand-II S/s	TIE Bay (415)	160972 Type: GL316	2010	30/08/12	Not overhauled since commissioning	No	No	YES	No
55	400 kV Lonikand-II S/s	ICT-II Bay (416)	160971 Type: GL316	2010	30/08/12	Not overhauled since commissioning	No	No	YES	No
56	400 kV Lonikand-II S/s	Line Bay (417)	160970 Type: GL316	2010	30/06/12	Not overhauled since commissioning	No	No	YES	No
57	400 kV Lonikand-II S/s	TIE Bay (418)	160969 Type: GL316	2010	30/06/12	Not overhauled since commissioning	No	No	YES	No
58	400 kV Lonikand-II S/s	ICT-I Bay (419)	160968 Type: GL316	2010	30/06/12	Not overhauled since commissioning	No	No	YES	No
59	400 kV Lonikand-II S/s	Interconnector-I (420)	160967 Type: GL316	2010	26/3/12	Not overhauled since commissioning	No	No	YES	No
60	400 kV Lonikand-II S/s	TIE Bay (421)	160966 Type: GL316	2010	26/3/12	Not overhauled since commissioning	No	No	YES	No
61	400 kV Lonikand-II S/s	Interconnector-II (422)	160965 Type: GL316	2010	26/3/12	Not overhauled since commissioning	No	No	YES	No
62	400 kV Lonikand-II S/s	220kV Lonikand II Bhosari Line (210)	152113 Type: GL314	2010	04-03-2014	Not overhauled since commissioning	No	No	YES	No
63	400 kV Lonikand-II S/s	220kV Side ICT I (205)	200596 Type: GL314-MGO	2010	03-06-2014	Not overhauled since commissioning	No	No	YES	No
64	400 kV Lonikand-II S/s	220kV Side ICT II (204)	200595 Type: GL314-MGO	2010	03-06-2014	Not overhauled since commissioning	No	No	YES	No
65	400 kV Lonikand-II S/s	220 kV TBC (203)	152108 Type: GL314	2010	03-06-2014	Not overhauled since commissioning	No	No	YES	No
66	400 kV Lonikand-II S/s	220kV Bus Coupler (202)	200594 Type: GL314-MGO	2010	04-03-2014	Not overhauled since commissioning	No	No	YES	No
67	400 kV Lonikand-II S/s	220kV Lonikand II VSNL Line (209)	152112 Type: GL314	2010	15/05/14	Not overhauled since commissioning	No	No	YES	No
68	400 kV Lonikand-II S/s	220kV Line (201) Kathapur	152107 Type: GL314	2010	01-07-2016	Not overhauled since commissioning	No	No	YES	No
69	400 kV Lonikand-II S/s	220kV Line (206) Interconnector	152109 Type: GL314	2010	04-03-2014	Not overhauled since commissioning	No	No	YES	No
70	400 kV Lonikand-II S/s	220 kV Line (207) ICT-I	152110 Type: GL314	2010	26/3/13	Not overhauled since commissioning	No	No	YES	No
71	400 kV Lonikand-II S/s	220 kV Line (208) ICT-II	152111 Type: GL314	2010	26/3/13	Not overhauled since commissioning	No	No	YES	No