

दूरभाष: २३०६/ Tele: 2306

सम्मिश्र जांच दल/ Composite Trials Team
द्वारा नौसेना कार्यालय/ c/o Navy Office
मुख्यालय/ Headquarter
अन्डमान एवं निकोबार कमान/
Andaman & Nicobar Command
पोर्ट ब्लेयर ७४४ १०२/ Port Blair 744 102


CTT/300/03/11/TECH

26 अक्टूबर २३/ Oct 23

प्रधान सेनापति/ The Commander-in-Chief
{(कृते कमान तकनीकी अधिकारी (समुद्री विद्युत)/ for CTO (ML)}
मुख्यालय/ Headquarters
अन्डमान एवं निकोबार कमान/ Andaman and Nicobar Command
द्वारा नौसेना कार्यालय/ c/o Navy Office
पोर्ट ब्लेयर ७४४ १०२/ Port Blair 744 102

PARALLELING TRIALS OF DAs – IN LCU L 53

1. Refer to HQANC fax ANC/42012/EL/LCU L 53 dated 21 Oct 23.
2. Unattended Paralleling trials of DA no.1, 2 and 3 were undertaken onboard IN LCU L-53 on 23 Oct 23 and found SAT. Detailed report placed at enclosure I, II & III.
3. **Observations.**
 - (a) Power factor meter of DA no. 3 erratic.
 - (b) DA no.1 breaker status not available in APMS.
 - (c) Power factor reading not available in APMS.
4. **Pending observations of DA 2 from previous load trials held on 17 Jul 21.**
Frequency transient 0-70% found Unsat.


(एस सी विलियम/ S C William)
कमांडर/ Commander
प्रभारी अधिकारी/ Officer-in-Charge

Encl : - As above

Copy to : -

नौसेना खण्ड सेनापति/ The Naval Component Commander
{कृते कर्मचारी अधिकारी (विद्युत)/ for SO(L)}
मुख्यालय नौसेना खण्ड/ Headquarters Naval Component
द्वारा नौसेना कार्यालय/ c/o Navy Office
पोर्ट ब्लेयर ७४४१०२/ Port Blair – 744 102

कमान अधिकारी/ The Commanding Officer
आई एन एल सी यू एल-५३/ IN LCU L-53
द्वारा नौसेना कार्यालय/ c/o Navy Office
पोर्ट ब्लेयर ७४४ १०२/ Port Blair 744 102

UNATTENDED PARALLELING TRIALS OF DA NO.1 & 3 - /NLCUL 53

Combined Load (% of Combined Rated Capacities of Alternators) (160kW & 270Amps)	Kw					Amps					10% of Mean of kW Ratings of Machines A and B	10% of Mean of Amps Ratings of Machines A and B	Remarks	
	Combined Value	Proportionate Share	Machine A (Actual Share)	Machine B (Actual Share)	Difference Between Proportionate Share and Actual Shares of Machines A or B	Combined Value	Proportionate Share	Machine A (Actual Share)	Machine B (Actual Share)	Difference Between Proportionate Share and Actual Shares of Machines A or B				
Increasing Loads	20	110	55	45	65	10	144	72	67	77	5	25	43.3	S
	30	160	80	65	95	15	221	110.5	95	126	15.5			S
	45	224	112	94	130	18	301	150.5	125	176	25.5			S
	60	295	147.5	123	172	24.5	391	195.5	161	230	34.5			S
	75	364	182	164	200	18	507	253.5	211	296	42.5			S
Decreasing Loads	75	364	182	164	200	18	507	253.5	211	296	42.5	25	43.3	S
	60	298	148	125	173	24	413	206.5	171	242	35.5			S
	45	225	112.5	95	130	17.5	293	146.5	121	172	25.5			S
	30	143	71.5	59	84	12.5	204	102	90	114	12			S
	20	104	52	41	63	11	151	75.5	71	80	4.5			S

UNATTENDED PARALLELING TRIALS OF DA NO. 2 & 3 – IN LCU L 53

Combined Value (% of combined rated capacities of generators) 0kW & Amps)	Kw				Difference Between Proportion ate Share and Actual Shares of Machines A or B	Amps				10% of Mean of kW Ratings of Machines A and B	10% of Mean of Amps Ratings of Machines A and B	Remarks (Sat/ Unsat)	
	Combined Value	Proportionate Share	Machine A (Actual Share)	Machine B (Actual Share)		Proportionate Share	Machine A (Actual Share)	Machine B (Actual Share)	Difference Between Proportion ate Share and Actual Shares of Machines A or B				
20	105	52.5	43	62	9.5	133	66.5	48	85	18.5	25	43.3	SAT
30	153	76.5	66	87	10.5	199	99.5	74	125	25.5			SAT
45	235	117.5	140	95	22.5	310	155	190	120	35			SAT
60	296	148	126	170	22	380	190	150	230	40			SAT
75	370	185	160	210	20	410	205	164	246	41			SAT
	370	185	160	210	20	410	205	164	246	41			SAT
60	294	147	125	170	22.5	395	197.5	155	240	42.5			SAT
45	215	107.5	95	140	12.5	305	152.5	120	185	32.5			SAT
30	160	80	74	86	6	200	100	85	115	15			SAT
20	108	54	40	68	14	135	67.5	50	85	17.5			SAT

UNATTENDED PARALLELING TRIALS OF DA NO. 1 & 2 - /M/LCUL 53

Combined Load (% of Combined Rated Capacities of Alternators) (160kW & 270Amps)	Kw					Amps					10% of Mean of kW Ratings of Machines A and B	10% of Mean of Amps Ratings of Machines A and B	Rem (S) Un	
	Combined Value	Proportionate Share	Machine A (Actual Share)	Machine B (Actual Share)	Difference Between Proportionate Share and Actual Shares of Machines A or B	Combined Value	Proportionate Share	Machine A (Actual Share)	Machine B (Actual Share)	Difference Between Proportionate Share and Actual Shares of Machines A or B				
Increasing Loads	20	105	52.5	53	52	0.5	147	73.5	74	73	0.5	25	43.3	SA
	30	155	77.5	81	74	3.5	217	108.5	110	107	1.5			SA
	45	238	119	118	120	1.0	339	169.5	168	171	1.5			SA
	60	304	152	156	148	4.0	440	220.0	225	215	5.0			SA
	75	380	190	200	180	10	547	273.5	287	260	13.5			SA
Decreasing Loads	75	380	190	200	180	10	547	273.5	287	260	13.5	25	43.3	SA
	60	303	151.5	156	147	4.5	424	212.0	214	210	2.0			SA
	45	237	118.5	122	115	3.5	326	163.0	166	160	3.0			SA
	30	158	79	82	76	3.0	226	113.0	114	112	1.0			SA
	20	107	53.5	61	46	7.5	156	78.0	80	76	2.0			SA