



**vedanta**



**HINDUSTAN ZINC LIMITED**  
(Member of Vedanta Resources plc.)  
**CHANDERIYA LEAD ZINC SMELTER**  
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CLZS/ PKG/ Lubricants/ 13-15/ Balmer  
/ 19th Nov 2013

To,  
**BALMER LAWRIE & CO LTD**  
**JACKERIA BUNDER ROAD**  
**SEWREE WEST MUMBAI,**  
**MUMBAI – 400015**

Kind attn: Mr. N. Ramesh (09004036584) / Mr. S. Chakravarty (09831091003)

Subject: Rate Contract order for Supply of Lubricants for year 2013 - 2015  
Ref: [1] Our RFQ Email dated 03 Aug 2013  
[2] Your final offer Email dated 24 Oct. 2013

Dear Sir,

Towards above subject & reference, subsequent discussions/ correspondence including your Revised offer, we hereby place this Rate Contract Order for Supply of Lubricants to all units of Vedanta ( India ) for the items & price as mentioned at Annexure .

**Terms & conditions:**

1. Prices mentioned are "F.O.R. destination (for a minimum lot of 10 barrels)
2. Taxes: Extra Excise duty + Cess and VAT/CST (as applicable on the date of supply) shall be reimbursed, against Cenvatable/ VAT Invoice.
3. Freight: Inclusive
4. The contract will be valid for TWO year. i.e. w.e.f. 01.10.2013 to 30.09.2015. Prices mentioned in Annexure shall remain firm & fixed for a period from 01.10.2013 to 31.12.2013 , there after price variation formula ( as mentioned in Annex ) shall be applicable .
5. Effective date of this Rate Contract shall be from 01<sup>st</sup> Oct 2013.
6. Payment Terms: 100% payment within 15 days of receipt & acceptance of material. [Vide Cheques payable at par].
7. Lubricants will be supplied in 210 liter barrels and greases in Casks of 182 Kgs. (non-returnable).
8. Normal Delivery period shall be within 7 days of Delivery schedule informed by respective units. However, in case of urgency, you shall endeavor to deliver on short notices also.

9. Balmer will provide Technical Services at Regular Intervals and introduce High performance grades aimed at overall cost reduction to Vedanta Group

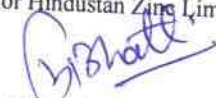
10. Balmer will also help Vedanta Group in offering equivalent grades in use and establish through Trials with the objective of overall cost reduction for some specialty grade of lubricants

On the basis of this Rate Contract, All Units of Vedanta (India) shall be issuing separate SAP PO's for their requirements. This Rate Contract Order is being sent in 2 Copies. Pl. return 1 copy duly signed & stamped as acknowledgement & token of acceptance of the order. Please communicate details of your Offices & concerned officer nearest to our All Units of Vedanta (India)

Enclosed:  
Annexure (Price details)  
Annexure (PV formula)

Thanking you,

For Hindustan Zinc Limited



[Mayank Bhatt]  
[Commercial]



[Pravin Kumar Gupta]  
AGM [Commercial]

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Cc: ALL Vedanta (India) units (BALCO, Lanjigarh, Jharsuguda, Sesa Goa, Sterlite Tuticorin & Silvassa, Vizag General cargo & Talwandi plant )

## Price Variation Formula for Hindustan Zinc

### BASIS OF DERIVING THE PRICE VARIATION FORMULA :

- i) The price of lubricants is derived from a basket comprising of cost of base oil, additive and barrel cost.
- ii) To arrive at cost of base oil, lubricants have been grouped into different viscosity grades and combination of base oils required to arrive at a particular viscosity grade.
- iii) The chemical additives are mostly petroleum derivatives and their prices changes with change in price of petroleum. To simplify the formula, we have neutralized the effect of price change in additives with variation in base oil price.

### PERIODICITY OF CHANGE:

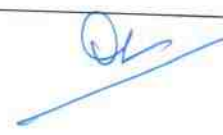
QUARTERLY: (1<sup>st</sup> Oct to 31<sup>st</sup> Dec Q1), 1<sup>st</sup> Jan to 31<sup>st</sup> Mar (Q2), 1<sup>st</sup> Apr to 30<sup>th</sup> Jun (Q3), 1<sup>st</sup> Jul to 30<sup>th</sup> Sept (Q4)

### FORMULA

$$P_1 = P_Q + [BO_1 \times D_1 \times (1 + CD_1\%) - BO_Q \times D_Q \times (1 + CD_Q\%)] \times 0.9/1000$$

Reference period at the time of original offer	Will be the <b>last two weeks of the previous month</b> preceding the identified quarter, in this case last two weeks of Sep'13
Reference period for the identified quarter	Will be the <b>last two weeks of the previous month</b> preceding the identified quarter. Eg for Jan-Mar'14 quarter, the quotes of last two weeks of Dec'13 will be considered

P <sub>1</sub>	Price of Finished product applicable for <b>the identified quarter</b> in Rs/Ltr.
P <sub>Q</sub>	Price of Finished Product as offered in Rs/Ltr in the month of <b>original offer</b> .
BO <sub>1</sub>	Average Price of Base Oil of applicable viscosity of ICISLOR for the <b>last two weeks of the previous month of the identified quarter</b> in US \$/MT. Base Oil Price will be MID POINT QUOTES USD / MT - on F O B Asia (Exports) as published in their weekly pricing report of Base Oil (Asia – Pacific). Freight, duties etc. will be additional which change over time
BO <sub>Q</sub>	Average Price of Base Oil of applicable viscosity of ICISLOR for the <b>last two weeks of the previous month</b> during which the offer was made in US \$/MT (Average of ICISLOR prices of last two quotes of Sep'13)
D <sub>1</sub> & D <sub>Q</sub>	US \$ v/s INR exchange Rate as reported on RBI's website <a href="http://www.rbi.org.in">www.rbi.org.in</a> for the same date on which ICISLOR price has been taken. In case the day happens to be a holiday, the immediate preceding day will be considered.





<b>CD<sub>1</sub> &amp; CD<sub>Q</sub></b>	Customs duty in % as on 1 <sup>st</sup> Day of the month of the respective quarters.
<b>0.9/1000</b>	Density of Base Oils considered as 0.9 & conversion from MTs to KG.
	Base Oil of applicable viscosity will be the average price of SN 150, SN 500 & BS 150.

Note: All Prices above are Assessable Value before Taxes (ED, Cess, Sales Tax / VAT etc).

#### CLASSIFICATION OF VISCOSITY GRADES WITH RESPECT TO BASE OILS

Viscosity Grade	Level	Base Oil Constituents		Typical Grades
		SN 500 (%)	BS 150 (%)	
Up to 100 VG	1	100	0	System 32, System 100, Engine Oils upto SAE 30 and SAE 15W-40
Above 100 & up to 150 VG	2	70	30	Mesh SP 150, Engine Oils like Pride 40, 20W-40, General purpose Greases like Gem 2 / MP
Above 150 & up to 220 VG	3	50	50	Press 220, System 220, Gear HP 90, 80W-90
Above 220 & up to 320 VG	4	20	80	Mesh SP 320
Above 320 VG	5	0	100	Mesh SP 680, System 460, Mesh SP 460, Gear Super 85W-140
Excluded Grades	E	Not Applicable		Brake Fluids, Coolants, Coat Series, Tak Series, Synthetic Oils etc

Gradewise Classification is shared separately

HZZL price list					
S.no.	Our Description	Your Equivalent Product	Balmer Rate W.e.f. 01.10.2013	PVC LEVEL	
1	Engine Oil Servo Pride XL 15W40/HP.1	Balmerol Gold Premium CH4 15W40	96.77	1	
2	TELLUST 68/D209 L	Balmerol H 68 Spl	88.83	1	
3	Shell Tellus T 100	Balmerol H 100 Spl	90.54	1	
4	HYD.OIL C4SAE30W	Balmerol C4 SAE 30	85.84	1	
5	SERVO ULTRA KB10 / X3-10W	Balmerol Protomac Ultra KB 10	78.5	1	
6	Hyd Oil HLP-100	Balmerol Protomac HLP 100	82.57	1	
7	Engine Oil, Shell Rimula R4 15W40, APCI4	Balmerol Ultima Plus C14 15 W 40	99.38	1	
8	GREASE, SERVOGEM EP 2 / LITHON EP 2	Balmerol Liprex EP2	94.9	3	
9	OIL, TRANS, SPIRAX S4 CX30, SAE 30	Balmerol C4 SAE 30	83.37	1	
10	GEAR OIL, SERVOMESH SP320/ PARATHAN EP320	Balmerol Protomac SP 320	84.94	4	
11	Servo mesh 320	Balmerol Protomac SP 320	84.94	4	
12	GEAR OIL, SERVOMESH SP220/ PARATHAN EP220	Balmerol Protomac SP 220	84.06	3	
13	HYD OIL, SERVOSYSTEM HLP 46 /ENKLO HLP46	Balmerol Protomac HLP 46	81.37	1	
14	Shell Tellus - 46	Balmerol Protomac HLP 46	81.47	1	
15	Grease Molex/Lithen M-2	Balmerol Moly ML	122.79	3	
16	Gear Oil Ultra- 50	Balmerol Protomac Ultra 50	88.93	5	
17	TURBINE OIL, SERVOPRIME 46 / TURBINOL 46	Balmetol Protomac T 46	80.22	1	
18	SP 46	Balmerol Protomac SP 46	79.09	1	
19	Servomesh SP 460, Gear Oil ST 140, Spirol 140 EP	Balmerol Protomac SP 320 / HP 140 Spl	85.44	5	
20	Hydraulic Oil KB-30	Balmerol Ultra KB 30	83.99	1	
21	HYD OIL, SERVOSYSTEM 68 / ENKLO 68	Balmerol Protomac H 68	79.75	1	
22	PNU TOOL OIL, SERVONEUM 100/ NUMATIC 100	Balmerol Protoneum 100	86.23	1	
23	GEAR OIL, SERVOGEAR HP 90 / EP	Balmerol HP 90	90.87	3	
24	Engine Oil(API-CL4)HP-NO.1	Balmerol Ultima Plus C14 15 W 40	101.38	1	
25	ENGINE OIL, SERVO PREM. CF4 15W40	Balmerol Gold Premium CF4 15 W40	94.92	1	
26	LUB OIL, SERVOMESH SP 68 - SHELL OMALA-68	Balmerol SP 68	81.73	1	
27	HYD. OIL, SERVOSYSTEM HLP 46N / ENKLO HLP 46N	Balmerol Protomac HLP 46N	79.07	1	
28	AXLE OIL, SHELL SPIRAX A 85W140	Balmerol HP 85W140 Spl	99.5	5	
29	HYD OIL, SERVOSYSTEM 46 / ENKLO 46	Balmerol Protomac H 46	76.36	1	
30	SERVOCOAT 120 / HYTAK 1 / AMACLAC 74	Balmerol Blucoat 1	67.9	E	
31	Corana 68	Protomac T 68	82.22	1	
32	SERVO SUPER MG 20 W40/ HY HDX.M	Balmerol PMG 20 W40	87.11	2	
33	GEAR OIL, SAPATHRAN EP320	Balmerol Protomac SP 320	84.44	4	
34	Hyd Oil TH-46	Balmerol Protomac H 46 Spl	90.28	1	
35	ESCAID-100(6/81//AROL LIGHT)	REGRET		1	
36	Oil Torulla 100 (Air Tool oil)	REGRET		1	
37	SHELL OIL OMALA 150	Balmerol Protomac SP 150	83.46	2	
38	GEAR OIL, SERVOMESH SP150 /PARATHAN EP150	Balmerol Protomac SP 150	83.46	2	
39	SHELL OMALA HD-320	Balmerol Protomac SP 320 Spl	84.94	4	
40	GREASE, MALLOUS GL400	Balmerol GL 400	220.41	3	
41	GREASE, MA 8031/3000, CASTROL - GL 400	Balmerol GL 400	220.41	3	
42	COMPRESSOR OIL, SERVOPRESS 100	Balmerol Protopress 100	86.57	1	

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2	TELLUST 68/D209 L	Balmerol H 68 Spl	88.83	1
43	HYD OIL, SERVOSYSTEM 320 / ENKLO 320	Balmerol Protomac H 320	86.54	4
44	Vitara M-150 HYDRAULIC OIL, SHELL(209 L/BARREL)	Balmerol Protomac H 150	83.15	2
45	HYD OIL, SERVOSYSTEM 150 / ENKLO 150	Spralube OGL 10	237.05	3
46	GRAFIOSCON C-SG 1000 ULTRA OPEN DRIVE	Balmerol Protomac T 32	81.28	1
47	TURBINE OIL, SERVOPRIME 32 / TURBINOL 32	Balmerol SP 220	84.07	3
48	SHELL OIL OMALA HD 220	Balmerol OGL 10	237.05	3
49	GREASE, CG-10	Balmerol Protomac H 32	75.98	1
50	HYD OIL, SERVOSYSTEM 32 / ENKLO	Balmerol Protomac H 32	75.98	1
51	HYD OIL, SERVOSYSTEM 32 / ENKLO 32	Balmerol Multipurpose Grease MP3	96.17	3
52	Servo sys 32, Enklo 32, Actuma t oil 10 w	Balmerol Multipurpose Grease MP3	96.17	3
53	GREASE, SERVOGEM 3 / LITHON 3 / ALITHO 30	Balmerol HTM 2	89.76	5
54	GREASE, SERVOGEM 3 / LITHON 3 / ALITHO 30	Balmerol HTM 2	140.06	3
55	GEAR OIL, SERVOMESH SP680/ PARATHAN EP680	Balmerol Protomac HLP 68	140.06	3
56	GREASE, SERVOGEM HTXX / HT-80	Balmerol Protomac HLP 68	83.58	1
57	Servogem HT XX	Balmerol IIP 80W90	91.35	3
58	Shell Tellus - 68	Balmerol C4SAE 30	87.84	1
59	SHELL - TELLUS-68	Balmerol Prototrans Q	89.22	1
60	Gear Oil 80 W90	Protoshakti 304	102.79	2
61	TRANSMISSION FLUID, SERVO TRANS C4 SAE 30	Protoshakti 404	105.29	2
62	TRANSMISSION FLUID, SERVO TRANSFLUID A	Balmerol Protomac T 68	82.24	1
63	OIL, SERVOMARINE C 3040/ L304/ 1040	Synthgear M 680	329	E
64	Shell Argina X 40	Synthgear M 680	326.22	5
65	TURBINE OIL, SERVOPRIME 68 / TURBINOL 68	Balmerol Protomac HLP 68 N	80.53	1
66	Mobil Gear Oil SHC-680	Balmerol Protomac HLP 68	83.58	1
67	Servo SH 680	Balmerol Licom 2	93.11	3
68	HYD OIL, SERVO SYSTEM HLP 68N	Balmerol Multipurpose Grease MP3	96.25	3
69	HYD OIL, SERVO SYSTEM HLP 68	Balmerol Blucost 2	64.84	E
70	Licom 2	REGRET	regret	1
71	Grease, Multi Purpose, MA8031/300	Balmerol Protomac SP 320 Spl	93.53	E
72	SERVOCOAT 140 / HYTAK 2 / AMACL	Balmerol Licom 2	93.11	3
73	Shell Super ATF Oil	Balmerol Protomac H 220	85.06	3
74	Mobil Gear Oil SHCXM220	Balmerol Protomac SP 320	85.44	4
75	Licom 2	Balmerol Protomac SP 68	81.73	1
76	Vitara M-220 HYDRAULIC OIL, SHELL	Gearflux BM 460	111.74	5
77	GEAR OIL, ALPHA SP 320, CASTROL - SPARTHAN EP-320	REGRET	regret	3
78	GEAR OIL, AGMA EP 68/VALVOLINE	Balmerol Protomac C2	87.4	5
79	Optigear BM-460 Castrol	Balmerol OGL 10	237.05	3
80	Tribol 3020 / 1000 - 00	Balmerol Protomac H 220	85.07	3
81	Servocyl C-680 Cyndol TC-680, Engol J-680	Balmerol Trans Q	89.23	1
82	GREASE, SERVOGEM CG10	Balmerol Protoneum 100	87.23	1
83	HYD OIL, SERVOSYSTEM 220	Balmerol Gold Premium CF4 1.5 W40	95.92	1
84	TRANSMISSION FLUID, SERVO TRANS	Balmerol C4 SAE 30	88.84	1
85	PNU TOOL OIL, SERVONEUM 100/ NU	Hicool D	85.81	E
86	ENGINE OIL, SERVO PREM CF4 15W40	Balmerol Protomac SP 460	88.48	5
87	TRANSMISSION FLUID, SERVO TRANS C4 SAE 10			
88	SERVO KOOL PLUS			
89	Shell Omala 460			

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2	TELLUST 68/D209 L	Balmerol H 68 Spl	88.83	1
90	Shell Tellus - 100	Balmerol Protomac HLP 100	83.78	1
91	Shell Tellus 68	Balmerol Protomac HLP 68	83.58	1
92	BRAKE FLUID,SERVOBRAKE FLUID/SU	Balmerol Brake Fluid	160.5	E
93	ENGINE OIL,SERVO ULTRA 10W/ HYLUBE X310W	Balmerol Ultra 10W	81.32	1
94	GEAR OIL, SERVOGEAR HP 140	Balmerol HP 140	95.32	5
95	GEAR OIL,SYNGEAR 220	Balmerol SyntgearM 220	305.12	E
96	GEAR OIL,SYNGEAR 320	Balmerol Syntgear M 320	315.12	E
97	GEAR OIL,SYNGEAR 460	Balmerol Syntgear M 460	331.12	E
98	HYD OIL, SERVO SYSTEM 311	Balmerol Protomac H 311	86.17	1
99	Servo System 81	Balmerol Protomac H 81	80.15	1
100	Optigear BM 460	Gearflux BM 460	108.74	5
101	Shell VITIRA M 150	Protomac H 150	81.15	2
102	Servo Supreme 2 T	Balmerol Race 2T	83.4	E
103	ENGINE OIL,SERVO PREM 20W-40	Balmerol PMG 20 W40	87.11	2
104	Shell Argima XL 40	Protoshakti 404	106.79	2
105	Hyd Oil C4SAE30	Balmerol C4 SAE 30	87.84	1
106	ENGINE OIL, SERVO PREMIUM 20W40	Balmerol PMG 20 W40	87.11	2
107	SHELL RAMULA 15W40	Balmerol Ultima Plus C14 15 W40	102.38	1
108	Viscosine /Servoline 100	Balmerol Protomac 100	80.5	1
109	Viscosine / Servoline 100	Balmerol Protomac 100	80.5	1
110	MACHINE OIL, SERVO LINE 100	Balmerol Protomac 100	80.5	1
111	GEAR OIL,SERVOMESH 257	Balmerol Protomac SP 257	87.42	3
112	Gear oil SAE 90	Balmerol HP90	90.87	3
113	HYD OIL, SERVO SYSTEM 100 / ENKLO 100	Balmerol Protomac H 100	81.42	1
114	SERVO CYL C680	Protomac C2	87.4	5
115	GEAR LUBRICANT,LE-608 ALMASOL	REGRET	regret	5
116	OPTIMOL OPTIGEAR BM 460 HIGH PERFORMANCE MINERA	Gearflux BM 460	108.74	5
117	ENGINE OIL, SERVO PRIDE 40/HYLUBE MILCY40	Balmerol PRD 40	85.39	2
118	SERVO SUPER 20 W 40	Protomac MG 20 W 40 Spl	84.7	2
119	SOLUBLE CUTTING OIL,SERVOCUT S/SHEROL B	Balmerol Protocool SL	99.68	1
120	BRAKE FLUID,SERVOBRAKE FLUID/SUPER DOT-3	Balmerol Brake Fluid	160.5	E
121	SHELL HYD OIL SHO46	Balmerol Protomac HLP 46	82.47	1

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2	TELLUST 68/D209 L	Balmerol H 68 Spl	88.83	1
122	SHELL - THLLUS-46	Balmerol Protomac HLP 46	82.47	1
123	SYNTHETIC OIL, OMALA HD 460	Balmerol Synthgear M 460	331.12	E
124	COMPRESSOR OIL, SERVOPRESS C220 - HYCOM C220	Balmerol Protopress 220	90.27	3
125	SERVOSUPER 2-T/ RACER -2/ GLIDE	Balmerol Race 2T	83.4	E
126	SERVO SYSTEM HLP 32N	Balmerol Protomac HLP 32 N	84.06	1
127	COMPRESSOR OIL, SERVOPRESS 150	Balmerol Protopress 150	89.87	2
128	HYLUBE-X-3 / 50	REGRET	regret	5
129	REFRIGERATION COMPR. OIL, SERVOPRESS 68	Balmerol Protopress R68	90.59	1
130	SPINDLE OIL, SPINTEK 12	Balmerol Protomac SP EL	74.1	1
131	SHELL - OIL OMALA F 150	REGRET	regret	2
132	GEAR OIL, SERVOGEAR HP 80	Balmerol HP 80	84.48	1
133	ROTO INJECT FLUID, ATLAS COPCO 20 LTRS	REGRET	regret	1
134	Synthetic CLP-220	Protomac CLP 220	92.53	E
135	GEAR OIL, SERVOGEAR SUPER 90	Balmerol HP 90 Spl	91.14	3
136	SHELL - OMALA 460	Balmerol Protomac SP 460	87.48	5
137	OIL, SERVOCONVAL 46, CONTROL VALVE	REGRET	regret	1
138	servo convol 46	REGRET	regret	1
139	Servofresh 220	REGRET	regret	1
140	SERVO CYL C460	Balmerol Protomac C1	85.15	5
141	COMPRESSOR OIL, SERVOPRESS 220 - ENKLO 220	Balmerol Protopress 220	90.37	3
142	SERVOSYSTEM 460	Balmerol Protomac H 460	87.9	5
143	ELGI AIR LUB FOR COMPRESSORS	REGRET	regret	1
144	GREASE GRAFLOSCON B-SG 00 ULTRA	REGRET	regret	#N/A
145	GREASE, CG-20 / MALLEUS OGH	REGRET	regret	3
146	GREASE, SERVOREX L1	REGRET	regret	3
147	GREASE, ALVANIA RL 3	Balmerol Calplex 1	97.32	3
148	GREASE, SERVO GREASE MP 1 / HP GREASE MP	Balmerol Olitec LL EP3	119.18	3
149	GREASE, ALVANIA EP(LF) 0	Balmerol Multipurpose Grease MP1	93.09	3
150	Grease, Coupling, Shell Gadus S2-18 Kg pack	Balmerol Liprex EP0	94.01	3
151	GREASE, SERVOREX HT XX/HT 80	Grease CG1	115.9	#N/A
152	GREASE, NLG100	Balmerol HTM 2	141.06	3
153	GREASE GRAFLOSCON C-SG 00 ULTRA	Balmerol Liprex EP00	92.17	3
154	Servo Mesh 220	REGRET	regret	3
155	TRANSFORMER OIL, ABOVE 40 KV	Balmerol SP 220	84.51	3
156	OIL, GEAR, 75W90, 210L, SPIRAX S6 XME	Balmerol Transformer oil	78.47	E
157	GREASE, BLACK, GADUS S4 V460D	HP 75W90	272.82	3
158	Rim R3+ 30	REGRET	regret	#N/A
159	Spirax S4 TXM	REGRET	regret	1
160	Corena S4 R 68	REGRET	regret	1
161	Gadus S3 V460D 2	REGRET	regret	1
162	Gadus S2 V220 2	Balmerol Licom 2 Premium	166.9	3
163	Spirax S2 ALS 90	Balmerol Liprex EP2 NL	109	3
164	Spirax S2 G 80W-90	Balmerol HP 90 Spl	97.04	3
165	Shell Spirax 85W/140, Axle oil	Balmerol HP 80W90	91.25	3
166	Omala S4 WE 220/LUB OIL, SHELL TIVELA, S 220	Balmerol HP 85W/140 Spl	100.21	5
		Balmerol Synthgear M 220	305.22	E

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Sl.No.	Material Description	Balco	Balmer	PVC LEVEL
		Your Equivalent Product	Rate W.e.f. 01.10.2013	
1	HLP-68	Balmerol Protomac HLP 68	85.08	1
2	SYSTEM 68 / ENKLO 68	Balmerol Protomac H 68	79.75	1
3	SYSTEM HLP46	Balmerol Protomac HLP 46	81.97	1
4	SYSTEM 46 / ENKLO 46	Balmerol Protomac H 46	78.96	1
5	OIL,SERVOSTEEL C-460,IL,MBO	Balmerol Protosteel 460	92.46	5
6	GREASE,SERVOGEM-EP2 / LITHON EP-2	Balmerol Liprex EP2 Grease	94.9	3
7	OIL,SERVOMESH SP320,IL,GO,210L-PAC	Balmerol Protomac SP 320	84.44	4
8	OIL,SERVOMESH SP150,IL,GO	Balmerol Protomac SP 150	83.65	2
9	OIL,SERVOPRIME 46,TUR	Balmerol Protomac T 46	81.82	1
10	OIL,SERVOWAY 335/220,200LTR PAC	Balmerol Protoway 220	90.9	3
11	OIL,SERVOSPIN-12,IL,SO	Balmerol Protomac SP EL	74.1	1
12	OIL,SERVOMESH SP220,IL,GO	Balmerol Protomac SP 220	84.36	3
13	OIL,SERVOCUT-S,MW,SC	Balmerol Protocool SL	98.01	1
14	OIL,SERVOSYSTEM-150,HYD	Balmerol Protomac H 150	84.75	2
15	OIL,SERVO SYN GEAR 220,SERVO.	Balmerol Synthgear M 220	304.72	E
16	GREASE,SERVOPLEX LC2	Balmerol Autoplex LC	108.12	3
17	GREASE,SERVOPLEX LC3	Balmerol Autoplex LC3	108.12	3
18	GREASE,SERVOCG10,IND,22KG	Balmerol OGL10	236.65	3
19	OIL,SERVOTHERM S	Balmerol Prototherm Medium	78.5	1
20	LUB,OIL,SERVO CYL C-680,210L	Balmerol Protomac C2	87	5
21	Oil Spintek 12 ( HPLC )	Balmerol SP EL	74.1	1
22	SERVOSYSTEM 32 , 210 L	Balmerol Protomac H 32	77.7	1
23	SERVO COAT 140	Balmerol Blucoat 2	69.44	E
24	OIL SERVO TRANS C4 SAE 30	Balmerol C4SAE 30	89.34	1
25	CRANK CASE SERVO PREMIUM 20 W 40	Balmerol PMG 20W40	89.61	2
26	OIL SERVO PRESS 100	Balmerol Protopress 100	89.07	1
27	OIL SERVO SYSTEM 100 / ENKLO 100	Balmerol Protomac H 100	80.92	1
28	SERVOULTRA 30,A,CC	Balmerol Protomac Ult 30	85.97	1
29	SERVO PRIME 68	Balmerol Protomac T 68	81.84	1
30	OIL SERVO MESH SP 680 / PARTHAN EP 680	Balmerol Protomac SP 680	89.36	5
31	SERVO GEAR HP 90	Balmerol Protomac HP 90	90.37	3
32	GREASE,NON SOAP BASE,SERVO GEM-HTXX	Balmerol HTM2	140.56	3
33	OIL,HYDRAULIC,TYPE:SAE10W,SERVO	Balmerol Ultra10W	81.82	1
34	PARTHAN,EP 1000	Balmerol Protomac SP 1000	95.3	5
35	OIL,SERVOPRIME32 / TURBINOL 32	Balmerol Protomac T 32	78.88	1
36	LUBRICANTS,LITHON 3	Balmerol Multipurpose Grease 3	96.17	3
37	OIL,SERVO MESH SP 460	Balmerol Protomac SP 460	85.44	5
38	LUB,OIL,SERVO PREMIUM-15W40/CF4	Balmerol Gold Premium CF4 15W40	94.42	1
39	LUB,OIL,STF,SERVO TRANSFLUID-A	Balmerol Prototrans A	98.28	1
40	LUB,GREASE,LITHON EP3	Balmerol Liprex EP3 Grease	97.51	3
41	OIL,SERVO PRIDE 40	Balmerol PRD 40	86.47	2
42	GREASE,SERVO GREASE MP,AUTOMOTIVE	Balmerol MP2	96.36	3
43	OIL,SERVO SUPER MULTIGRADE 20W-40,	Balmerol Gold Super Plus 20W40	86.88	2

Sr NO	Our Description	Lanjigarh Your Equivalent Product	Balmer Rate W.e.f. 01.10.2013	PVC LEVEL
<b>LUBE OIL CHART FOR Refinery</b>				
1	LUBRICANT,SERVO SYSTEM 320,IOCL	Balmerol Protomac H 320		
2	SERVOSYSTEM 150	Balmerol Protomac H 150	86.54	4
3	Servomesh SP 320	Balmerol Protomac SP 320	85.15	2
4	LUBRICANT,OMALA F 320,SHELL	Balmerol Protomac SP 320 Spl	84.94	4
5	LUBRICANT,OMALA 150,SHELL	Balmerol Protomac SP 150 Spl	93.63	4
6	Servomesh SP 150	Balmerol Protomac SP 150	83.46	2
7	Servomesh SP 220	Balmerol Protomac SP 220	83.46	2
8	GREASE,KLUBERFLUID CF-3 ULTRA	REGRET	84.36	3
9	GREASES,SERVO EP2,IOCL	Balmerol Liprex EP2	re	#N/A
10	GREASES,SERVO EP3,IOCL	Liprex EP3	94.9	3
11	SILICON GREASE,GRADE:111	Lubsil 2	97.92	3
12	CHESTERTON 601,FOR INTERNAL LUB,WIR ROP	REGRET	223.8	#N/A
13	SERVOSYSTEM 220	Balmerol Protomac H 220	re	#N/A
14	LUBRICANTS,SERVO 46,APPLIC:FOR CPLG	Balmerol Protomac HLP 46	87.16	3
15	LUBRICANTS,TELLUS 46,APPLIC:FOR CPLG	Balmerol Protomac HLP 46	88.47	1
16	TELLUS,46	Balmerol Protomac HLP 46	88.47	1
17	LUBRICANT,SERVO SYSTEM 68,IOCL	Balmerol Protomac H 68	84.47	1
18	OIL,TECHTROL GOLD III,INGERSOL RAND	REGRET	79.75	1
19	LUBRICANTS,SERVO SYSTEM 32	Balmerol Protomac H 32	re	E
20	LUBRICANTS,SERVO CUT-5	Balmerol Protocool SL	77.7	1
21	Servomesh SP 460	Balmerol Protomac SP 460	103.68	1
22	Lubrex 22	Protomac 10 M	85.44	5
23	LUBRICANT,ROTO INJECT FLUID	REGRET	77.2	1
24	LUBRICANT,SERVOMESH SP 680	Balmerol Protomac SP 680	re	1
25	LUBRICANT,SERVO 15W 40,INDIAN OIL	Balmerol Ultima Plus CI4 15W40	91.85	5
26	LUBRICANTS,SERVO MESH SP 1000	Balmerol Protomac SP 1000	104.38	1
27	LUBRICANT,SERVOWAY-220	Balmerol Protoway 220	97.9	5
28	CHESTERTON 715,FOR EXTERNAL LUB,WIR ROP	REGRET	94.47	3
29	SERVOFRIZ 68,RECI,COMPRESSOR OIL	Balmerol Protopress R 68	re	#N/A
30	CHEVRON SRI 2 POLYUREA GREASE	Balmerol Poly grease 2	93.69	1
31	LUBRICANT,SERVO RR 407,INDIAN OIL	Balmerol RR513 M	271.5	#N/A
<b>LUBE OIL CHART FOR POWER PLANT</b>				
1	Turbinol 46	Balmerol Protomac T 46		
2	Servo mesh SP 320	Balmerol Protomac SP 320	82.32	1
3	Servo mesh SP 220	Balmerol Protomac SP 220	84.94	4
4	Parthan EP 680	Balmerol Protomac SP 680	84.94	3
5	Ultracoolant (IR)	REGRET	92.85	5
6	Molykote 41	REGRET	r	#N/A
7	Servo prime 46	Balmerol Protomac T 46	r	#N/A
8	Turbinol 32	Balmerol Protomac T 32	83.32	1
9	Exxon Power Mobil 629	REGRET	82.38	1
10	ROTO inject Fluid lub. Oil	REGRET	re	2
11	SERVOGEM 2	Balmerol Multipurpose Grease MP2	re	#N/A
11A	SERVO GEM 3	Balmerol Multipurpose Grease MP3		3
12	Shell Omala 460	Balmerol Protomac SP 460	101.88	3
13	Shell tellus 46	Balmerol Protomac HLP 46	85.44	5
14	Sevo marine 1040	Protoshakti 104	83.47	1
15	Shell Corena AS 68	REGRET	98.79	2
16	Servoline 150	Balmerol Protomac 150	r	#N/A
17	Servo system 150	Balmerol Protomac H 150	83.25	2
18	NALCOOL2000	REGRET	83.25	2
19	Enklo HLP 68	Balmerol Protomac HLP 68		#N/A
20	Lubrex 22	Protomac 10 M	85.58	1
			76.2	1



21	SHELL OMALA ,220	Balmerol Protomac SP 220	84.36	3
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Jharsuguda					
S.no.	Mat code	Our Description	Jharsuguda Your Equivalent Product	Balmer Rate W.e.f. 01.10.2013	PVC LEVEL
1	40001771	SHELL TELUS 46			
2	40001772	OIL MOTOR SHELL RIMULA R3 X 15W40,CH4	Balmerol Protomac HLP 46	79.97	1
3	40001775	COOLANT SH GLYCOSHELL 37 DEG. CELCIUS	Balmerol Excel Turbo CH4 15W40	96.7	1
4	40001773	Shell Spirax A 80W90	Hicool D	92.3	
5	40001777	LUBRICATING GREASE SHELL RETINAX LX2	Balmerol HP 80W90 Spl	103.71	3
6	40002524	Shell Omala 320	Licom 2	92.71	3
7	40001173	CLP 150	Balmerol Protomac SP 320	84.94	4
8	40000661	SHELL ALVANIA RL3	Balmerol CLP 150	93.71	2
9	40000655	SHELL ALVANIA RL 2	Balmerol Olitec LL EP3	118.68	3
10	40000684	SHELL ALVANIA EP (LF)-0	Balmerol olitec LL EP2	115.74	3
11	40000668	SHELL VITREA M 460	Balmerol Liprex EP0	94.01	3
12	40000690	TIVELA OIL SD 460	REGRET		5
13	40000467	SHELL OMALA 680	Balmerol Synthgear M460	340.72	E
14	40009940	SHELL RIMULA R2 30 OIL	Balmerol Protomac SP 680	91.35	5
15	<b>Code</b>	<b>Item</b>	REGRET	re	1
16	40000661	SHELL ALVANIA RL3			
17	40002106	Servosyngear 460	Balmerol Olitec LL EP3	118.68	3
18	40002524	Shell Omala 320	Balmerol Synthgear M 460	340.72	E
19	40002525	Shell Tellus 46	Balmerol Protomac SP 320	84.44	4
20	40002526	Shell Omala F 320	Balmerol Protomac HLP 46	83.97	1
21	<b>Code</b>	<b>Item</b>		re	4
22	40000712	ISO VG 32			
23	40001810	Servo System 68	Balmerol Protomac 15 M	75.98	1
24	40000710	SERVOSYSTEM 150	Balmerol Protomac H 68	79.03	1
25	40004170	SERVOSYSTEM 220	Balmerol Protomac H 150	85.75	2
26	40000468	SERVOMESH SP 320, IOCL	Balmerol Protomac H 220	86.56	3
27	40000669	SERVOCYL C 680	Balmerol Protomac SP 320	84.94	4
28	40005288	Servo Cut 'S' Oil	Balmerol Protomac C2	89	5
29	40002092	Servoprime 46	Balmerol Protocool SL	101.8	1
30	40000697	CLP 680/ ISO VG 680	Balmerol Protomac T 46	82.22	1
31	40000698	OIL-ISO VG 460	Balmerol CLP 680	98.72	5
32	40004415	SERVOGEM EP2 GREASE	Balmerol Protomac 150 M	83.75	5
33	40004658	SERVO PRESS-150	Balmerol Liprex EP2	94.9	3
34	40001814	Oil 20 w40	Balmerol Protopress 150	88.75	2
35	40001740	HTM OIL SERVOTHERM- S	MG 20 W 40 Spl	87.2	2
36	40000691	CG 10	Balmerol Prototherm Medium	77.3	1
37	40000643	HP GEAR OIL EP 140	Balmerol OGL 10	256.65	3
38	40000645	HY TAK-2 (WR-100)	Balmerol HP 140	96.82	5
39	40000708	SERVOGEM 3 GREASE			E
40	40000640	SERVOCOAT 170T	Balmerol Multipurpose MP3 Grease	96.17	3
41	40011921	SERVO RR606 MG	Balmerol Blucoat 3	67.4	E
42	40011922	SERVO PRIME57		112.91	2
43	<b>Code</b>	<b>Item</b>	Balmerol Protomac T 57	81.93	1
44	40002092	Servoprime 46			
45	40002094	Servosystem 46	Balmerol Protomac T 46	81.82	1
46	40002102	Servomesh SP680	Balmerol Protomac H 46	77.96	1
47	40002111	TURBINE OIL ISOVG 32	Balmerol protomac SP 680	89.76	5
48	40002523	SERVO PRIDE XL 15W-40	Balmerol Protomac T 32	79.29	1
49	40003890	OIL SAE 30	Gold Premium CF4 15 W 40	95.67	1
50	40006634	CAC CUMMINS ENGINE COOLANT	Protomac 68	75.54	1
51	40000654	SERVOGEM EP 2	REGRET		E
52	40002098	Servo gear super 140	Balmerol Liprex EP2 Grease	94.9	3
53	40002103	Servomesh SP 220	Balmerol HP 140 Spl	102.5	5
54	40002104	Servogem brb no 3	Balmerol SP 220	84.36	3
55	40002170	Servo press 100	REGRET		3
56	40006930	GREASE MP3	Balmerol Protopress 100	84.77	1
			Balmerol MP3 Grease	97.52	3

			SIIL Tut & silvasa	Balmer	
S.No.	Material Code	Our Description	Your Equivalent Product	Rate W.e.f. 01.10.2013	PVC LEVEL
1	110000514	*SERVO MESH SP320	Balmerol Protomac SP 320		
2	110000506	SERVO SYSTEM 100	Balmerol Protomac H 100	84.94	4
3	110000509	*SERVO GEM EP2 GREASE	Balmerol Liprex EP2 Grease	82.92	1
4	110000507	*SERVO SYSTEM 320	Balmerol Protomac H 220	94.9	3
5	110133130	SERVO PRIME 46 T (TURBINE OIL)	Balmerol Protomac T 46 EP	87.66	4
6	110021232	*SERVO SYSTEM 46	Balmerol Protomac H 46	90.8	1
7	110000510	GREASE SERVO GEM HTXX	Balmerol HTM Grease	77.97	1
8	110085597	SERVO SYSTEM HLP 32	Balmerol HTM Grease	141.56	3
9	110000503	*SERVO SYSTEM 68	Balmerol Protomac HLP 32	85.09	1
10	110000512	SERVO REX L1	Balmerol Protomac H 220	79.75	1
11	110000502	*SERVO SYSTEM 32	Balmerol Calplex 1	97.32	3
12	110003746	SERVO PRIME 32	Balmerol Protomac H 220	77.7	1
13	110050503	*SERVO MESH SP 220	Balmerol Protomac H 220	86.66	1
14	110120243	SERVO SYSTEM 20 /W40	Balmerol Protomac SP 220	84.36	3
15	110121328	SERVO MESH SP 150	Balmerol MG 20 W40 Spl	88.2	2
16	110000513	*SERVO COAT 190	Balmerol Protomac SP 150	83.46	2
17	110154950	SERVOGEM 3 GREASE - MOTOR, CAP:20KG	Balmerol Bluecoat 5	59.1	E
18	110110650	SERVO GEM EP0 (ZERO) GREASE	Balmerol Multipurpose Grease MP3	98.65	3
19	110111235	SERVO LUBREX 22	Balmerol Liprex EP0 Grease	97.61	3
20	110114138	SERVO SYSTEM 150	Protomac 10 M	75.6	1
21	110132340	SERVO SYSTEM HLP 46 FOR BROKK MACHINE	Balmerol Protomac H 150	87.75	2
22	110153677	SERVO GEAR SUPER 90,	Balmerol Protomac HLP 46	85.97	1
23	110000501	LUBE SERVO PRIME 46	Balmerol HP 90 Spl	100.64	3
24	110003756	LUBE SERVO MESH SP 460	Balmerol Protomac T 46	81.82	1
25	110000512	GREASE,STL PLANT,SERVO	Balmerol Protomac SP 460	85.44	5
				na	3
	Mat Code	Mat Description			
1	110000501	LUBE SERVO PRIME 46			
2	110003756	LUBE SERVO MESH SP 460	Balmerol Protomac T 46	83.82	1
3	110011227	LUBE,SERVO PRESS 220	Balmerol Protomac SP 460	85.44	5
4	110019575	LUBE,SERVO SYSTEM-32	Balmerol Protopress 220	91.75	3
5	110019576	LUBE SERVO SYSTEM 46	Balmerol Protomac H 32	77.7	1
6	110019701	LUBE SERVO MESH SP 220	Balmerol Protomac H 46	77.97	1
7	110020838	LUBE SERVO MESH SP 320	Balmerol Protomac SP 220	84.36	3
8	110152285	GREASE SERVO GEM EP2	Balmerol Protomac SP 320	84.94	4
			Balmerol Liprex EP2	94.9	3
9	110011218	*LUBE HARMONY AW46 GULF			
10	110011219	*LUBE HARMONY AW-68,MK:GULF	Balmerol Protomac HLP 68	77.97	1
11	110107068	OIL,DIESEL ENGINE,LUBE 15W 40 GULF	Balmerol Protomac HLP 68	79.75	1
12	110021511	OIL,LUBE,TRANSFORMER	Balmerol Ultima Plus CF4 15W40	97.55	1
13	110011244	LUBE SPIN 12 FLUSH OIL :- GULF	Transformer oil	80.97	E
			Balmerol Protomac SP EL	76.7	1



Sesa Goa					
Sr NO	Code	Our Description	Sesa Your Equivalent Product	Balmer Rate W.e.f. 01.10.2013	PVC LEVEL
1	102010001	OMALA 320 OIL, SHELL			
2	102010003	GEAR OIL, XP140, HPCL	Balmerol Protomac SP 320	84.94	4
3	102010006	OMALA OIL-100	Balmerol HP 140 Spl	104.9	5
4	102010007	SHELL OMALA 220/ESSO SPARTAN EP 220	Balmerol Protomac SP 220	88.66	1
5	102010009	GEAR OIL, TRAXOL/PARTHAN 320CM, HPCL	Balmerol Protomac SP 320	84.36	3
6	102010012	GEAR OIL, PB 7065, HIGH VISCOSITY, STANVAC	Balmerol Protomac SP 320	84.94	4
7	102010014	D.N.R - GEAR OIL, PARTHAN EP-320	REGRET		
8	102010015	GEAR OIL, SPIREX A 140, SHELL	Balmerol Protomac SP 320	84.94	4
9	102010016	OIL, SPIRAX EP140, SHELL	Balmerol HP 140 Spl	104.91	5
10	102010018	MAK SPIROL HD 90/GEAR OIL XP90	Balmerol HP 140 Spl	104.91	5
11	102010022	PROTOMAC HP 85 W 140 (SPECIAL) / GEAR	Balmerol HP 90 Spl	100.64	3
12	102010023	OIL, Rocol HI-TORQUE SAPPHIRE 220	Balmerol HP 85W140 Spl	102.71	5
13	102010025	TURBINE OIL, TURBINOL-68, HPCL	REGRET		3
14	102010026	GEAR OIL, VISCOSITY GRADE SAE 85W140	Balmerol Protomac T 68	84.84	1
15	102010035	GEAR OIL, SAE90	Balmerol HP 85W140	98.43	5
16	102010038	GEAR OIL-320 EP VALVOLIN MAKE VALVOLIN	Balmerol HP 90	93.37	3
17	102010052	MINERAL OIL ISO VG 460 WITH EP ADDITIVE	Balmerol Protomac SP 320	84.94	4
18	102010053	SHELL OMALA-150 GEAR OIL	Balmerol Protomac SP 460	90.08	5
19	102010061	WET BRAKE TRANSAXLE OIL, PN:15018621, WB10	Balmerol Protomac SP 150	83.46	2
20	102010062	GEAR OIL-VOLVO GO102 -75W80, PN:15188150,	REGRET		1
21	102010065	GEAR OIL SP 220	REGRET		3
22	102010066	SERVO MESH SP -150 (ISO VG)	Balmerol Protomac SP 220	84.36	3
23	102010067	TURBINE OIL, TURBINOL - XT 46	Balmerol Protomac SP 150	83.46	2
24	102010068	OIL, SERVO MESH SP 40	Balmerol Protomac T 46 EP	87.75	1
25	102020001	HYDRAULIC OIL, SERVO SYSTEM, HLP 68	REGRET		5
26	102020002	HYDRAULIC OIL, VG68, PN:11708323	Balmerol Protomac HLP 68	85.08	1
27	102020006	HYDRAULIC OIL, ENKLO 68, 1 BARREL: 210 LTS	Balmerol protomac H 68	79.54	1
28	102020007	HYDRAULIC OIL VG46 HIGH VI	Balmerol protomac H 68	79.54	1
29	102020008	ENKLO 68, HPCL	Balmerol protomac H 46	78.96	1
30	102020010	TELLUS T-15, SHELL	Balmerol protomac H 68	79.54	1
31	102020012	TURBO T-68, SHELL	REGRET		1
32	102020014	COMPRESSOR OIL, HLP-68, ENKLO/VALVOLINE	REGRET		1
33	102020015	ROTO INJECT OIL, PN:2901-0245-01	Balmerol Protopress 68	88.97	1
34	102020016	OIL, HP POWER GLIDE C410	REGRET		#N/A
35	102020017	OIL FOR SUSPENSION, PN:SYZZ-MVK-DM	REGRET		1
36	102020020	JCB SPL HYDRAULIC OIL	REGRET		#N/A
37	102020022	HYDRAULIC OIL, SHELL TELLUS 46	REGRET		1
38	102020032	HYD OIL 460 SERVO MESHSP MAKE SERVO	Balmerol Protomac HLP 46	82.97	1
39	102020039	SCREW LUB OIL, MAKE: ATLAS COPCO	Balmerol Protomac SP 460	85.44	5
40	102020043	OIL, MOBILGARD M430, IN PACK OF 208 L	REGRET		1
41	102020044	OIL, MOBIL RARUS 827, IN PACK OF 20 L	REGRET		2
42	102020045	OIL, MOBILGEAR 600 XP 100, IN PACK OF 208L	REGRET		#N/A
43	102020046	OIL MOBILTAC 375NC, IN PACK OF 17.2 KGS	REGRET		1
44	102020047	OIL, MOBIL DTE 10 EXCEL46, IN PACK OF 208L	REGRET		#N/A
45	102020048	OIL, MOBIL SHC 626, IN PACK OF 20 L	REGRET		1
46	102020049	OIL, MOBIL SHC 630, IN PACK OF 20 L	REGRET		#N/A
47	102020050	OIL, MOBILGEAR 600 XP 220, IN PACK OF 208L	REGRET		E
48	102020051	OIL, MOBIL DTE10 EXCEL32, IN PACK OF 208 L	REGRET		3
49	102020052	TURBO T46 OIL F/BLOWER & DEDUSTING FANS	REGRET		1
50	102020054	LUBRICANT OIL, TURBOL EP 46	Protomac T 46	82.82	1
51	102020055	TECHTROL GOLD 55 GALLON for MAC	Protomac T 46EP	85.77	1
52	102030001	OIL, ENGINE, 15W40, API CH 4 OR EQUIVALENT	REGRET		E
53	102030002	SERVOCOAT 120	Balmerol Excel Turbo CH4 15 W40	100.94	1
54	102030005	OIL, ENGINE, HP NO. 1, 15W40, CI 4	Balmerol Blucoat 1	72.22	E
			Balmerol Ultima CI4 15W40	101.88	1



55	102030006	OIL,ENGINE,VDS 3,15W40,CI,VOLVO PREMIUM	Balmerol Ultima CI4 15W40	101.88	1
56	102030013	SERVO MARINE HYD 100,SHELL TELLUS-	REGRET		1
57	102030014	SERVO PRIDE SAE 30	Balmerol PRD 30	87.48	1
58	102030015	SERVO PRIME 32	Balmerol Protomac T 32	83.88	1
59	102030020	OIL,ENGINE,RIMULA-D 20W40,BHARAT SHELL	PRD plus 20 W 40	94.75	2
60	102030021	CUTTING OIL,SL-25L/SERVOCUT S	Protocool SL	103.18	1
61	102030022	HYLUBE X 3 -10 WCM,HPCL	REGRET		1
62	102030023	RIMULA X 30 SHELL OIL/VOLVOLIN MAK	REGRET		1
63	102030029	OIL,SHELL DONAX TC 50	Protomac TC 50	117	5
64	102030031	HP POWER GLIDE C430,HPCL	Protomac C4 SAE 30	91.25	1
65	102030034	WET BRAKE TRANSAXLE OIL,VOLVO WB 101	REGRET		1
66	102030035	BRAKE AND CLUTCH FLUID,TVS GIRLING	Balmerol Brake Fluid	161	E
67	102030036	OIL,MOBILGARD 412,AE C/CASE	REGRET		2
68	102030037	SERVO PRESS-100	Balmerol Protopress 100	90.07	1
69	102030038	MOBILGUARD-570,M/E CYL. OIL	REGRET		5
70	102030039	MOBILGARD MG 300	REGRET		1
71	102030040	CUTTING FLUID,ULTRACUT 250 PLUS	REGRET		1
72	102030043	OIL,CASTROL CH-4,RX,SUPER PLUS 15W40	Balmerol Excel Turbo CH4 15 W40	97.94	1
73	102030044	OIL, CH4, REMULA 15W40	Balmerol Excel Turbo CH4 15 W40	97.94	1
74	102030060	ENG OIL-20W40 VALVOLINE MAKE VALVOLINE	Balmerol PRD Plus 20W40	96.74	2
75	102030062	ENGINE OIL HP NO.1 MAKE HP	REGRET		1
76	102030064	ATF OIL BARREL,PN:11706207	Balmerol TQ	89.72	1
77	102030067	K-S02- K-Oil Super for Kirloskar Genset	REGRET		1
78	102030068	VOLVO AUTOMATIC TRANSMISSION FLUID-AT102	REGRET		1
79	102040001	TRANSFORMER OIL,IS:335	Balmerol Transformer Oil	80.81	E
80	102040003	SERVO TRANSFLUID A	Balmerol TQ	89.72	1
81	102040004	TRANSFORMER OIL,33KV	Balmerol Transformer Oil	80.91	E
82	102040008	TRAS.OIL ATE DEXTRON 30 MAKE VALVOLIN	REGRET		1
83	102040009	TRANS OIL-C4SAE TFC330	REGRET		1
84	102040013	TRANS OIL C4SAE30 POWER MAKE HP	Protomac C4 SAE 30	92.25	1
85	102040014	CASTROL T 30 OIL	REGRET		1
86	102050007	RADIATOR COOLANT	Hicool D	91.41	#N/A
87	102050008	COOLENT,P.NO. TL05210	REGRET		E
88	102050013	COOLANT READY MIXED, FOR VOLVO	Hicool D	91.41	#N/A
89	102050014	COOLANT,P/N:-11715730, FOR VOLVO EXCAVATO	REGRET		#N/A
90	102050016	OIL,VG 68,F/BEARINGS,MAKE:IOC	Balmerol Protomac H 68	83.54	1
91	102990003	OIL,OMEGA 917,5 LTRS CAN	REGRET		#N/A
92	102990007	MOIYA OIL	REGRET		#N/A
93	102990015	OMEGA904,INDUSTRIALOIL,MAKE:PERMAWELD	REGRET		#N/A
94	102990027	SERVO GREASE EP1 MAKE SERVO	Balmerol Liprex EP1 Grease	96.42	3
95	102990029	EPL2 BALL BEARING GREASE	REGRET		3
96	102990030	EP2 GEM-GREASE-SERVO MAKE SERVO	Balmerol Liprex EP2 Grease	94.9	3
97	102990033	ROTO XTEND, COMPRESSOR OIL	REGRET		#N/A
98	102990037	CORENA S3 R 68, SHELL,AIR COMPRESSOR OIL	REGRET		1
99	102990039	ROTO Z-OIL,F/COMPRESSOR,MAKE:ATLAS COPCO	REGRET		#N/A
100	103010007	BALMEROL GREASE, RUBE LUBE 1000 FOR	ROPE LUBE 1000	126.15	3
101	104000001	GREASE,EP2,LITHIUM BASED	Balmerol Liprex EP2 Grease	94.9	3
102	104000003	GREASE,LIPREX-EP-3	Balmerol Liprex EP3 Grease	101.42	3
103	104000007	GREASE,WHEEL BEARING,SHELL	Balmerol WBHD Grease	83.81	3
104	104000008	GREASE,MOLY ML/LITHON M2	Moly ML	127.39	3
105	104000011	GREASE,MOBILITH SHC007/TRIBOL 3020/1000	REGRET		#N/A
106	104000016	GREASE,OMEGA 95 F/LOWER BEARING ASSY	REGRET		3
107	104000017	ROCOL SAPPHINE,EXTREME GREASE	REGRET		#N/A
108	104000018	GREASE,BEARING,ROCOL,AQUA-2 PN:127	REGRET		3
109	104000021	GREASE,BALMERAL LICOM,3M	Licom 3M	141.42	3
110	104000022	GREASE,LITHON 2	Balmerol Multipurpose Grease MP2	100.36	3
111	104000024	OMEGA 73 / GEARTech EP	REGRET		#N/A
112	104000026	GREASE,SL WPG AQUATHERM	REGRET		#N/A
113	104000028	OMEGA 85; MULTIPURPOSE GREASE	REGRET		#N/A
114	104000029	GREASE,MULTI ROAD, MAKE: SHELL	REGRET		#N/A

115	104000032	GREASE,LITHIUM SOAP BASE,LGMT-3	Balmerol MP3 Grease	102.5	3
116	104000033	TYRE MOUNTING CREAM	REGRET		#N/A
117	104000036	OMEGA 99 GREASE,PN:O099B	REGRET		#N/A
118	104000041	BALL BEARING GREASE,EPL-2,MULTI PURPOSE	Balmerol MP2 Grease	100.95	
119	104000044	GREASE MULTIPURPOSE (MP3) MAKE: BALMEROL	Balmerol Multipurpose Grease MP3	102.5	3
120	104000045	JCB ROCK BREAKER GREASE	REGRET		#N/A
121	104000046	METAL CONDITIONER,F/MIXING WITH GREASE,	REGRET		#N/A
122	104000049	GREASE,LITHIUM COMPLEX SOAP BASE	Licom 2	91.97	3
123	104000051	LUBRICANT,EZ602GL NLGI GRADE 00	Balmerol Liprex EP 00	102.5	
124	104000052	MOLY GREASE,ZETA 206	REGRET		#N/A
125	104000053	GREASE,MOBIL XHP 222,16KG	Licom Premium	156.42	3
126	104000054	SPECIAL GREASE	Balmerol CCSM HT Grease	347.5	
127	104000064	GREASE, LITHIUM BASE,LGMT-3 GRADE NLGI-3,	MP3	97.85	3
128	104000067	CASTROL EPL 2 LITHIUM BASE GREASE	Liprex EP2	98.55	3
129	104000074	GRAFLOSCON B-SG 00 ULTRA GREASE,M/S KLUB	REGRET		#N/A
130	104000075	LICOM 2 GREASE	Balmerol Licom 2	93.71	3
131	104000077	GREASE, LGMT 3IN/5, MAKE SKF	REGRET		#N/A
132	104000078	LGHB2 GREASE,MAKE - SKF	REGRET		3
133	104000079	LGHP 2/5 GREASE MAKE SKF	REGRET		#N/A
134	104000080	GREASE 703021000/2 SUPER GEAR 1000	REGRET		#N/A
135	104000081	SHELL GADUS S2 V220 00	REGRET		3
136	104000082	SHELL GADUS S2 V220 2	Balmerol Licom 2 Premium	167.5	3
137	104000083	SHELL GADUS S2 V460 A 2	REGRET		3
138	104000084	SHELL GADUS S3 T 220 2	REGRET		3
139	104000085	SHELL GADUS S3 V 460 D2	REGRET		3
140	104000086	SHELL MALLEUS OGM HEAVY	REGRET		3
141	104000088	GREASE ESSO UNIREX N3 GAN FOR MOTOR BRG	REGRET		#N/A
142	104000089	HAND OPERATOR GREASE GUN,M39693,MATO	REGRET		#N/A
143	104000090	OMNICON 3M MAKE BALMEROL	Balmerol Omnicom 3M	141.41	3
144	104000091	GREASE OKS 410	REGRET		3
145	2804990089	DRESSING COMPOUND,WIRE ROPE,RD105	Balmerol Rope Lube 1000	126.15	#N/A



Vizag General Cargo				
Our Description		Vizag General Cargo	Balmer	
		Your Equivalent Product	Rate W.e.f. 01.10.2013	PVC LEVEL
1	ISO VG-320 or Equivalent	Balmerol Protomac SP 320	88.04	4
2	Servo System- 46 of Indian Oil or Equivalent	Balmerol Protomac H 46	78.45	1
3	Grease Servo Gem- EP2 or Equivalent	Balmerol Liprex EP2 Grease	94.9	3
4	Hyd. Oil HL10 according to DIN 51524 Part 1	REGRET		
5	Grease Servo Gem of I.O.C or Equivalent	Balmerol Multipurpose Grease MP2	100.36	3
6	ISO VG 68	Balmerol Protomac H 68	79.75	1
7	Molybdenum Disulphide Grease Tisona M2	Balmerol HTM 2	142.56	3
8	Lithium Grease Lithon EP 2	Balmerol Liprex EP2 Grease	94.9	3
9	Summer L-CKD220 Winter Mobil Gear SHC 220	REGRET		
10	Summer L-CKC150 Winter Mobil Gear SHC 220	REGRET		
11	Summer L-CKC150 Winter Mobil Gear SHC 220	REGRET		
12	(GB7324- 1994)	REGRET		
13	Great Wall High Temp. Lub. Grease	REGRET		
14	EP2	REGRET		
15	VG 320	Balmerol Liprex EP2 Grease	94.9	3
16	VG 220	Balmerol Protomac 80 M	84.94	4
17	HL 20	Balmerol Protomac 70 M	84.36	3
18	Greasing required for conveyor & SUL Lithon EP 2	REGRET		
		Balmerol Liprex EP2	94.9	3