



TATA POWER COMPANY LTD.

VENDOR EVALUATION REPORT.

PART - A:		
1.	NAME OF VENDOR	MIRACLE CABLES (INDIA) PVT. LTD.
1.1	REGISTERED OFFICE ADDRESS	1203, Damji Shamji Business Galleria, L.B.S Marg, Kanjur Marg (West), Mumbai – 400078 Landline –
	Telephone No.	022-25792012
	Fax No.	022-25792011,
	E-mail address	yesudhason@miraclecables.com
	Web-site	www.miraclecables.com
1.2	WORKS LOCATION	K-29/2, Anand Nagar, MIDC, Additional Ambernath Bharat Serum, Ambernath (East), Thane- 421 501, Maharashtra, India.
	Telephone No.	0251- 2620096
	Fax No.	0251- 2620096
	E-mail address	info@miraclecables.com
	Web-site	www.miraclecables.com
1.3	NATURE OF THE COMPANY	Manufacturing industry
1.4	BANKER'S NAME & BRANCH	State Bank of India
1.5	NAME & DESIGNATION OF HEAD OF ORGANISATION	Mr. Prasad K (Operation Head)
	CONTACT NO'S (PH / FAX)	8454034448
1.6	NAME & DESIGNATION OF TOP MANAGEMENT PERSONNEL (WORKS)	Mr. Yesudhason (Company Proprietor)
	CONTACT NO'S (PH / FAX)	9821141188
1.7	ANNUAL CAPACITY	
1.7.1	LICENSED	20000 km/Month. This covers wires and cables (Single core & Multi core)
1.7.2	INSTALLED	20000 km/Month
1.7.3	UTILISED, DURING LAST 3 YEARS	Avg 50%.
1.8	ANNUAL TURNOVER FOR LAST THREE YEARS	FY 15-16- Rs 1.23 Cr FY 16-17- Rs 1.35 Cr FY 17-18 Rs 3.36 Cr FY 18-19- Rs 4.15 Cr
1.9	PRESENT SHOP LOADING	-Avg 40 % (No major orders), Wire manufactured are being used for wire harness sales.
PART - B		



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2.	SURVEY ADVICE REF	-For procurement of copper cables
2.1	ITEM FOR WHICH SURVEY IS CARRIED OUT	-Wires & Cables
2.2	DATE OF SURVEY	11-03-2020
3.	OFFICE/WORKS VISITED	-Anand Nagar, MIDC, Ambernath
4.	PERSONS CONTACTED	- Mr. Yesudhason (Company Proprietor)
5.	DESIGN FACILITIES	
5.1	ENGINEERS	2 Nos
5.2	SPECIALISTS	1 Nos
5.3	NO. OF WORKING LEVEL	2 Nos
	PERSONNEL (DESIGN ENGR / DRAUGHTSMEN)	1 No
5.4	DRAFTING FACILITY AVAILABILITY	Nil
5.5	EXPERIENCE IN DESIGN	More than 15 yrs.
5.6	CODES / SPECS (Being followed).	-Manufacturing as per IS 7098/ IS 698
5.7	R&D FACILITIES	Nil
5.8	TECHNICAL COLLABORATION (IF ANY)	Nil
6.	PLANNING & SCHEDULING	
6.1	PERSONNEL	1 No
6.2	USAGE OF MODERN METHODS LIKE CPM, PERT ETC.	SAP
6.3	EFFECTIVENESS OF PLANNING	60%
7.	MANUFACTURING FACILITIES	
7.1	DETAILS OF COVERED SHOP AREA, NO. OF SHEDS, ETC	Total Area: 70,000 Sq. ft Sheds.
7.2	SHOP LAYOUT SUITABILITY	Suitable for the product (70% Cable & Wires Dept. & 30% Harness Dept)
7.3	ADEQUACY OF MANUFACTURING MACHINERY	Adequate. (List enclosed)
7.4	MATERIAL HANDLING FACILITY	Forklift, Crane, Trolley etc.
7.5	NEAREST RAILWAY STATION	Ambernath
8.	PRODUCTION SET UP AT SHOP	
8.1	ENGINEERS	4
8.2	SUPERVISOR'S	7
8.3	SKILLED WORKERS	60
8.4	OTHER WORKERS	190
8.5	ADEQUACY OF LEVEL OF SUPERVISORS	Diploma engineer (Avg- 5 Yrs. of experience)
8.6	ADEQUACY OF SKILLED WORK FORCE	ITI & Skilled employees (Avg Exp more than 7 yrs.)



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9	QUALITY CONTROL FACILITIES	
9.1	QC SET UP	Available (Routine test can be conducted in-house).
	ENGINEERS	5 Nos (Cables + Harness)
	INSPECTORS	2 Nos
	ADEQUACY OF EXPERIENCE	Avg- 7 yrs. (List enclosed)
9.2	QC MANUAL / WRITTEN PROCEDURES AVAILABILITY	Available in the testing lab.
9.3	EXTENT OF APPLICATION OF QC	100% at all manufacturing stages.
9.4	AVAILABILITY OF GAUGES, FIXTURE	Available. (List enclosed)
9.5	PERIODICAL CALIBRATION OF EQUIPMENTS / INSTRUMENTS	Yes. (Equipment's found calibrated, list enclosed)
9.6	QC RECORDS/DOCUMENTS	Documented
9.7	ISO ACCREDITATION FOR QUALITY SYSTEMS	1-ISO:9001-2015, certification from TUV India Pvt Limited, Ghatkopar valid up to Dec 2020 2-IATF -16949:2016, certification from TUV, Germany valid up to Feb 2021.
10	TESTING FACILITIES	
10.1	INHOUSE	Available for routine testing
10.2	TESTING FACILITIES DEPENDENT OF EXTERNAL AGENCY	Cu. Purity & Chemical analysis on Copper conductor, UL cable testing
10.3	ADEQUACY OF TESTING FACILITIES	Adequate for Routine testing (Complete Wire & Cables Testing facility)
11	PERFORMANCE RELIABILITY	
11.1	SATISFACTORY EXECUTION OF SIMILAR ORDERS	PGCIL, Vadodara, AP-GENCO, HPCL, Mumbai, Mumbai Metro, Ministry of Defense, Bangalore
11.2	PAST RECORD OF LABOUR RELATION (STRIKE / LOCK OUT ETC.)	No
11.3	APPROVAL BY ANY OTHER AGENCY	GE, Chennai, ABB, Vadodara, Reliance Jio, Mumbai, L&T, Thyssen Krupp Elevator, Kolher Elevator, Kone elevator, Kirloskar Gen-set, Greaves Cotton Ltd for Gen-set.
11.4	STATUTORY APPROVALS RECEIVED	Available from Maharashtra state authority
11.5	POWER RESTRICTIONS & CAPTIVE GENERATION ARRANGEMENTS	Yes, however no back up available. They have identified MIDC power cut day as a weekly off.
11.6	AFTER SALES SERVICES	No
12	VENDOR'S APPROACH	-Miracle cables Pvt Limited, established in 1997 and started manufacturing of CU conductor cables from Thane unit. Now, the manufacturing facility is shifted to Ambarnath. It is a new unit, spread over a 70,000 Sq.ft area land & 1,25,000 Sq.ft Build up area started manufacturing since Sep 2019. They manufacture copper conductor cables (single core, multicore) and special application copper cables and wire harnesses from Ambarnath factory.


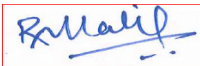


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		-They have started new wires Harness unit at Chennai in 2018 having 12500Sq. ft area.
13	VENDOR'S STRENGTH	<p>A-They are Pioneer in Special application Cables details as below-</p> <ol style="list-style-type: none"> 1- Univinyl Cables- As per BSG 177, 2- Single & Multi-core Industrial Flexible cable as per IS 694, 3- UL Cables- 1015, 1007, 1569, 2129, 2464, 4- Automobile Cables as per IS2465, DIN72551, 5- Electrical House – FR, FRLS, HRFR & LSOH (Green Cable), 6- Control & Instrumentation Cables, 7- PVC/XLPE Insulated LT Power Cables, 8- Agricultural submersible Flat Cables, 9- HOFR Cables – Welding Cables, 10-Fire Survival Cables, 11-Solar PV DC Cables & 12-RS485 Data & Computer Cables <p>B- Modern facility, New wire drawing and core building machines, stringent quality control tests.</p> <p>C- In-house testing labs & new testing equipment.</p> <p>D- Manufacture capacity-</p> <p>For single core insulated cable-0.5sqmm to 630sqmm</p> <p>For Multicore sheathed cable- 0.5sqmm to 150sqmm</p> <p>No of core for different applications cable- up to 80 cores</p>
14	VENDOR'S WEAKNESS	<ol style="list-style-type: none"> 1- They do not manufacture Aluminium XLPE conductor (Al) cables. 2- They don't have any power back-up for extruders. 3- At present, no cable orders in hand.
PART - C.		
1.	SURVEY OBSERVATION.	<ol style="list-style-type: none"> 1- During assessment visit, no cable manufacturing was going on. Four number of extruder lines, out of which two lines were running for wire manufacturing 2- Reliance Jio is their one of the valued Customer for Copper conductor cable size 1.1kv, PVC 3Cx0.5sqmm (21500KM in one single order). 3- Tata Communication orders Univinyl cable from them for their data Centre's verified thru PO. 4- There was no purchase order in hand for manufacturing of XLPE CU cables. 5- They have supplied XLPE, 1Cx630sqmm copper conductor cables to L&T, ABB, GE, Chennai project divisions.
2.	SURVEY CONCLUSION REMARKS	<p>Miracle cable is considered for supply multicore cable having size of 1.1kv, 4 core x 16sq.mm, XLPE insulated, PVC sheathed, armored, copper cable and Single core up to size, 1.1kv, 1Cx630sq.mm XLPE insulated, PVC sheathed, armored, copper cable subject to following conditions-</p> <ol style="list-style-type: none"> 1. Cable manufacturing as per Tata Power cable specifications 2. Overall Sampling of cable testing, drum rewinding as suggested by Tata Power during MQP approval.



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		3. Subject to compliance of Qualifying criterion requirements (QR) set by the Tata Power.
	NAME OF Participant	
1.	Mr. Pranav Adam- Lead Engineer-Transmission Engineering	
2.	Mr. Ravindra Patil- Group Head inspection- QAIT	
Approved by: Chief -Technical Services	Ms. Chhaya Bhonslay	

Annex I

PHOTOGRAPHS OF SITE VISIT

Photos will be pasted after finalization of report