



LARSEN &amp; TOUBRO LIMITED

EAIC-CONTROL &amp; AUTOMATION BUSINESS UNIT

## NEW PRODUCT EVALUATION REPORT

Organisation	Miracle Cables (India) Pvt.Ltd
Address (Location Audited)	Miracle House, A571, MIDC, TTC Industrial Area, Mahape Navi Mumbai-400 701
Total Factory Area	75000 Sq.ft
Phone/ Fax / E-mail / Mobile	022-27782701-05/022-27782706
Proprietor's / Partner's Name	Mr.Yesudhason Nadar
Qualification & Tech. Work experience	BSC , total Work experince 15 years
Company Ownership	Pvt.Ltd
INSURANCE/WORKERS COMPENSATION	
Workers Compensation Agent/Carrier :	N/A
Company Annual Turnover	21.59 CR
Specialised in:	Wires & Cables Wiring Harness
Evaluation Scope:	1100V grade control PVC wires , Nyvin Cables
Distinguished Customer List :	UPS ,Auto Mobile Communincation
Current Utilization for L & T : ( Productwise)	Uninyvin Cable.Control & Power Cable, Instrumentation Cable, FRLS CABLE, Armoured Cable
Monthly capacity for L&T :	3000000 meters
No. Of Employees :	156
Quality Representative :	Mr. Shashikant Vaidya
No.Of Technical staff :	2
No.Of skilled Operators :	7
L&T Auditor(s)	Varsha Kunjir
Assessment Date	23.11.2011
Audit Objective:	Evaluation of Control cables & Nyvin Cables
Observation:	
	Miracle is having very good set for cable manufacturing.
	Necessary test instruments areavailable with valid calibration.
	ISO 9000 certified company.
	Cables are manufactured as per relevant standards.
Conclusion :	
Comments/Remarks:	M/s Miracle is Self Certified for supplying Control & Nyvin Cables.
Signature	M/s Miracle is Approved L&T-C&A-QA
* Approval is valid till vendor follows all the Quality Standards and Code of practises issued by L&T-C&A time to time. And will be reviewed by C&A-Q after one year from the date of approval.	
* Approval is valid for given scope only. Vendor is not authorised for manufacturing/supply of any other Item/System	
Format No: C&A-QA:F03:00 Dtd. 12.09.2011	



# LARSEN & TOUBRO LIMITED - EAIC-CONTROL & AUTOMATION BUSINESS UNIT

## QUESTIONNAIRE

1. <i>Safety, Health &amp; Environment</i>			
	Question	Choose Answer	Comments
1.1	ISO 14001 Certification	1. No	Future planed
1.2	OHSAS 18001 Certification	1. No	Future planed
1.3	Does your company have a statement or policy or procedure :-		
1.3.1	That protects your employees from discrimination?	2. Yes	
1.3.2	That prohibits the employment of workers below the local age limit or the age of 16?	2. Basic principles implemented	
1.4	Does your company pay its employees at or above the minimum local law requirements?	2. Yes	
1.5	Does the company have security practices/procedures covering such as access by unauthorized people, suspicious/unsafe behavior and activities, shipments etc?	2. Yes	
1.6	During the last 5 years, has the company operated without any serious injuries resulting in death?	2. Yes	
1.7	Health & Safety policies and procedures are available and communicated to all employees?	2. Basic principles implemented	
1.8	Is there a safety and/or environmentally trained person employed at or supporting the company/facility/operation/process?	2. Yes	
1.9	Are employees working with the high risk operations indicated below trained in the hazards and safe working/emergency procedures for these specific activities?		
1.9.1	Work at Heights (activities performed at 4 feet (1.2m) or above dangerous equipments or processes, openings on walls and floors, employees lifting devices, packaging, scaffolding / ladder use)	1 No	
1.9.2	Heavy Load Lifting activities	1 No	
1.9.3	Activities requiring the use of dangerous and/or flammable / explosive chemicals	1 No	
1.9.5	Test bench activities	1 No	
1.9.6	Hot Work (welding, cutting, brazing)	1 No	
1.10	Does your company have all environmental permit(s)/ license(s)/ authorization(s) required to conduct operations or to perform services (current or proposed) at the facility or in field as required?	2. Yes	
1.11	Does your company have all local fire code authorization? Applicable fire requirements may be contained in the building code or general building construction or operating permit.	2. Yes	
1.12	Does your company have all health and safety permit(s)/ license(s)/ authorization(s) required to conduct operations or to perform services (current or proposed) at the facility or in field as required?	2. Yes	
1.13	Safety goggles/shoes/Helmets/Gloves/mask are available	2. Yes	
1.14	First aid kit is available with all necessary medicines	2. Yes	
1.15	For any specific activity/process legal approval is taken	2. Yes	
1.16	All the hazardous & e-waste is segregated & disposed properly	2. Yes	
1.17	All the hazardous area are identified & proper control action is take to avoid any Risk	2. Yes	
1.18	Environment , Safety & Health related banners,awareness posters are displayed at work place	2. Yes	

2.	Quality Systems & Effectiveness		
	Question	Choose Answer	Comments
2.1	Level of Quality Management System	4. ISO-9000 Quality Certificate	
2.2	Effectiveness of Calibration	4. Calibration through GMS	
2.3	ERP System Implemented	3. Other ERP	
2.4	Corrective action on Defects/Failures	1. Yes: on all defects	
2.5	Customer Complaints tracking system	2. Manual tracking	
2.6	Quality Objectives	4. Yes but not monitored effectively	
2.7	Cost of Quality /TQM/Six Sigma/5S/TPM implemented	2. Very Rarely	
2.8	Vendor Rating, Customer Satisfaction, Employee survey	3. Any two of the three	
2.9	R & D Spending	2. To some extent	
2.10	Internal Audits	5. Effective Audit plan & monitoring	
2.11	Drawing Handling, Revision control	5. Drawing understanding is clear imdiate traceability;proper storage	

3.	<b>Procurement &amp; Incoming Control</b>		
	<b>Question</b>	<b>Choose Answer</b>	<b>Comments</b>
3.1	Are all required material procured from approved/standard sources?	2. Sometimes per AVL	
3.2	Does Quality evaluation of sub-suppliers include periodic audits of sub-supplier manufacturing sites?	2. Occasionally as needed	
3.3	Vendor Approval & evaluation system	1. Organized formal process established and followed consistently	
3.4	Inspection / Inspection Plan/sampling plan available	3. Incoming Inspection performed per maintained Inspection Plans.	
3.5	Storage facility	3. Proper identification and traceability	
3.6	Identification & traceability	2. Partial traceability	
3.7	Inspection Staff	3. Skilled and trained	
3.8	Rejection handling process & CAPA	3. Good System	
3.9	Is FIFO maintained? If so is stock checked prior to issue and stock levels monitored?	2. Partilal system	

4.	<b>Manufacturing Processes &amp; Control</b>		
	<b>Question</b>	<b>Choose Answer</b>	<b>Comments</b>
4.1	Process flowcharts with control points identified and available for review?	3. Good System	
4.2	Does each work center have an accessible set of instructions?	3. Good System	
4.3	Training system identifies which operators are trained for each manufacturing process.	3. Complete Operator training documentation for all equipment	
4.4	Waste generated due to various mfg.process is properly disposed.(e.g.PVC material,chemicals used,,plastic,carbon rod,E-waste etc.)	3. Good System	
4.5	Does employees are aware of environmental, health & safety training on risk assessment, policies/ procedure including: a) Water management? b) Air emission? c) Waste? d) Pollution prevention?	2. Partilal awareness	
4.6	Inspection is performed and monitored on a continuous basis?	3. Good System	
4.7	Rejection/Rework procedures are available?	3. Good System	
4.8	Production floor layout provides for smooth material flow.	2. Partilal system	
4.9	Adequate tracking procedures are in place to prevent mixed lots.	2. Partilal system	
4.10	The manufacturing process is designed to provide both traceability, and accountability. (Each operation can be traced back to a specific operator, assembler, technician, etc.)	3. Good System	
4.11	Setting Approval and stagewise inspection is done and records are available.	2. Partilal system	
4.12	Tool identification exists. Dedicated location for tool storage defined. Tool storage protected from damage, fire, flood etc.	3. Good System	
4.13	List of machines & toolings available. Preventive maintenance plans available & is carried out per plan.	3. Good System	
4.14	Process Qualification & Operator Qualification (Special Processes)	2. Yes	
5.	<b>Final Product Control</b>		
	<b>Question</b>	<b>Choose Answer</b>	<b>Comments</b>
5.1	Customer Documents followed (Check list/QAP/COP/drg)	2. Yes	
5.2	Results are recorded and test certificate prepared	2. Yes	
5.3	Testing facility	3. Good facility	
5.4	Control of non-conforming products	3. Very good control.	
5.5	Proper storage & Preservations of finished good	3. Yes and very effective.	
5.6	Packaging and Transportation control	2. Some Control	
5.7	Is customer delivery targets met	2. Sometimes	
5.8	Delivery norms of supply followed	3. Well followed	
5.9	Customer rejected material handling	1. Material seggregated and labeled	
5.10	100% Inspection or final audit of product before despatch to customer	2. Some Control	
5.11	Corrective action & response time in case of rejection	3. Good System	
5.12	FIFO followed	2. Partilal system	



Enter Authorization Password	test				
Safety, Health & Environment	63				
Quality Systems & Effectiveness	67				
Procurement & Incoming Control	71				
Manufacturing Processes & Control	73				
Final Product Control	77				
Total Score	70				

### Supplier Evaluation

