WAN IFRA

World Association of Newspapers and News Publishers

Benchmarking Newspaper Production Efficiency

Through Production Key Performance Indices (KPI)

Registration ends by **15 May 2019**

INDICATOR
OPERATIONAL
METRICS
EVALUATION
COST
PLAN
METHODOLOGY
STRATEGIC
TECHNICAL
COMPARE
PRODUCT
FUNCTIONAL
BEST PRACTICES
TARGET
SPECIFIC
UNIT FINANCIAL
IDENTIFY
BENCHMARKING
MANAGEMENT SURVEY
TOOLS

PROCESS
BUSINESS
PERF
INDUST
MANCE
INFORMATION
ENERGY
TIME
RESULT
IMPROVEMENT
QUALITY
ASPECT

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Benchmarking Newspaper Production Efficiency

In 2016, WAN-IFRA did a benchmarking project on assessment of environmental KPI's (e-KPI) for newspaper production, where a total of 14 KPI's were benchmarked . The project covered KPIs from environmental and production metrices. Altogether a total of 31 printing plants from India had participated in the project. This project was done under strict non- disclosure agreement to ensure the security and privacy of data & reports of the participants.

In continuation of the previous benchmarking project, this financial year WAN-IFRA propose an extension project "Benchmarking Newspaper Production KPI" and will focus solely on newspaper production KPI's . In the extension project of benchmarking we added updated KPI's and international metrics for measurement and analysis of KPI's.

This will be helpful for internal as well as external benchmark to compare the performances within print sites. This project will also help printing plants to assess the manufacturing efficiency, compare performance with other similar production sites, identify areas of improvement and act to improve.

Why Benchmarking

Benchmarking gives the broader picture about the efficiency of your process and efficient usage of materials, spares and newsprint in comparison with the similar set up with in industry.

It directs the team to optimize the consumption & improve the performances of Energy, Water, raw materials, capacity utilization, OEE, yield, etc. It has economic benefit as well.

- Project benchmarking is based on consumption of resources and hence could give a clear picture of over utilisation and wastages.
- It measures limited number of KPI's only- Easy to measure
- Only most important production KPI's are measured to have a clear direction on product cost.
- Easy access to data. SAP system could provide data for most metrics
- Possibility for internal as well as external benchmark to compare the performances.

Customised report foor your companyty

international measuring metrics

Data and report privacy

Benefits of participation

- Know the efficiency of your operations in relation with other printing centers
- Find the right questions related to efficiency and consumption
- Prioritize actions related to raw material consumption and waste generation
- In long term, evaluate the efficiency of actions
- Benchmarking for consecutive years at discounted prices.

About WAN-IFRA

WAN-IFRA, based in Paris, France, and Frankfurt, Germany, with subsidiaries in Singapore, India & Mexico City, is the global organisation of the world's newspapers and news publishers. It represents more than 18,000 publications, 15,000 online sites and over 3,000 companies in more than 120 countries. Its core mission is to defend and promote press freedom, quality journalism and editorial integrity and the development of prosperous businesses.

What KPI's will be benchmarked?

S.no	Key Performance Indices	Description	Unit
1	Capacity utilization	Actual Output / Potential Output	Numbers / Numbers (%)
2	Overall Equipment Effectiveness (OEE)	Efficient use of machines	%
3	Inventory Ratio of machine	Inventory consumed in rupees / Inventory of spares stocked in rupees * Only on machine spare parts, not on daily consumables	Rupees / Rupees (%)
4	Renewable energy utilization	Renewable energy / Non-renewable energy	KWH / KWH (%)
5	Energy efficiency	Energy / Paper delivered to customers	KWH / Tonnes
6	Newsprint waste	Waste Paper / Paper consumption	Tonnes / Tonnes (%)
7	Printed waste efficiency	Total printed waste / Total waste generated	Tonnes / Tonnes (%)
8	Ink Mileage	Ink consumed / paper delivered to customer	Grams / m2
9	Direct variable cost efficiency	Total cost of Plate, Blanket, ink, wash, fountain solution / Paper delivered to customers	Rupees / Tonnes
10	Newsprint Stock effectiveness:	Average paper stock / Paper delivered	Tonnes / Tonnes (%)
11	Downtime	Downtime / Run time	Mins / Mins (%)
12	Web break frequency	Web break /100 reels	Rolls / Break
13	Print finish & Delivery	Average Print finish time of main publication	Time
14	Manpower efficiency	Number of man hours worked / Paper delivered to customers	Hours / Ton
15	Water efficiency	Water consumed / paper delivered to customer	Litres / tonnes

* Data Required period for benchmarking: **01 Apr 18 to 31 Mavr 19 (FY 2018-19)**
** Metrics & measuring units are only indicative, we analyse each KPI with different metrics and final the metrics of the each KPI will be based on best fit and co-relation fit of it.

Time Table

Activity	Timeline
Project proposal	05-Apr-2019
Last date for signing-up	15-May-2019
Last date for data submission	31-May-2019
Data Validation	20-June-2019
Data analysis	01-July-2019
Report	14-Aug-2019

Fee for WAN-IFRA Members

No. of printing plants	Fee per printing plant
1 Printing plant	INR 80,000 / EUR 1000
3 or more plants	INR 55,000 / EUR 700
5 or more plants	INR 40,000 / EUR 500

* Add 18% GST tax over the fee.
** Above discounted fee is for second time participant and members only. First time participant fee of 20% (if applicable) and non-member fee of 20% (if applicable) will be charged.

Consultants

Prabhu Natrajan is B.E in Printing Technology and works as Research Engineer at WAN-IFRA. He is reponsible for the technical research activities of WAN-IFRA.

He is a project manager for International Color Quality Club (ICQC) and oversees Research

and Material Testing Centre (RMTC) , which offers services of newsprint & news-ink testing, quality evaluation services, ISO 12647-3 audit and certification, ISO 9001, 14001 and 45001 certifications, Color management, Mechanical audit, Press simulator training & other training on technical topics.

Benchmarking Manufacturing Efficiency
Based on Environmental Key Performance Indices

Registration Form

Please complete the form and send, e-mail or fax to:

WAN-IFRA South Asia Pvt. Ltd.
3rd Floor, SIET Administration Building,
54 K B Dasan Road, Chennai India, 600 018
Tel: +91.44.4211 0640, Mob: +91-8792178292
Fax: +91.44.2435 9744
Email: infoindia@wan-ifra.org   (or)
          prabhu.n@wan-ifra.org

REGISTER ONLINE

Company information

Company _____

Address _____

City _____ Postal Code _____

Country _____

Company E-mail _____

Phone _____ Fax _____

☐ WAN-IFRA Member   ☐ Non-member

Please register the following printing centres:

1. _____

2. _____

3. _____

Payment details:

☐ By cheque, favouring **WAN-IFRA South Asia Pvt. Ltd.,** payable at Chennai

☐ By Bank Transfer *(Please await invoice)*

Total amount payable in INR _____

_____

Signature, Stamp

4. _____

5. _____

6. _____

Important Note:
Payment is required with registration and must be received prior to the event to confirm your registration. Confirmation will only be sent via e-mail upon receipt of payment. WAN-IFRA South Asia reserves the right to make any amendments that it deems to be in the interests of the event without any notice.

Cancellation & Replacement
Any cancellation or replacement must be sent in writing via e-mail or fax. A 50% refund will be given if cancellation is received 2 weeks before the event. Regrettably, no refund can be made for cancellation received less than 2 weeks before the event. A replacement is welcome if you are unable to attend. Written notice should be given to WAN IFRA South Asia not later than 2 weeks before the event.