

Annexure V

QA/QC FOR JUTE PRODUCTS:

Unit Name:

Product name:

Product Details:

ID number	Data type	Data variable	Data unit	Measured (m), calculated	Recording frequency	Proportion of data to be monitored	How will the data be archived? (electronic / paper)	For how long is archived data to be kept?	Uncertainty in measurement	Calibration detail of the monitoring equipment	Person responsible for monitoring and	Comment
J1	Raw Jute quantity	Quality wise raw jute quantity consumed for the production of the specific jute product	Type/ tonne	M	For each batch	100%	Electronic / paper	+1 year of the selected ecolabelled period	L	Provide monitoring equipment detail and its calibration status	Provide the name & designation person of the concerned	Provide detail information about monitoring
J2	Used Jute or caddies quantity	Quantity of used jute or caddies	tonne	M	For each batch	100%	Electronic / paper	+1 year of the selected ecolabelled period	L	Provide monitoring equipment detail and its calibration status	-do-	-do-
w1	Quantity of water	Quantity of water consumed for the preparation of processing chemicals like batching emulsion, seizing solutions etc.	tonne	M	For each batch	100%	electronic/ paper	+1 year of the selected ecolabelled period	L	Provide monitoring equipment detail and its calibration status	-do-	-do-
w2	Quantity of water	Quantity of water consumed for the steam generation	tonne	M	For each batch	100%	electronic/ paper	+1 year of the selected ecolabelled period	L	Provide monitoring equipment detail and its calibration status	-do-	-do-
w3	Quantity of water	Quantity of water consumed as make up water to hydraulic press	tonne	M	For each batch	100%	electronic/ paper	+1 year of the selected ecolabelled period	L	Provide monitoring equipment detail and its calibration status	-do-	-do-
W_{process}	Quantity of water	quantity of total water consumed (W1+W2+W3)	tonne	M	For each batch	100%	electronic/ paper	+1 year of the selected ecolabelled period	L	Provide monitoring equipment detail and its calibration status	-do-	-do-
C_n	Quantity of Chemicals	Quantity of specific chemicals like Batching oil, detergent, starch, additives, Na-silicate etc.	kg	M	For each batch	100%	electronic/ paper	+1 year of the selected ecolabelled period	L	Provide monitoring equipment detail and its calibration status	-do-	-do-
S_n	Quantity of steam	Quantity of steam required per hour for process	tonne/ hr	M	per batch/ per shift	100%	electronic/ paper	+1 year of the selected ecolabelled period	L	Provide monitoring equipment detail and its calibration status	-do-	-do-
O_{hrs}	Steam supply hours	Total steam supply hours for the batch	Hrs	M	per batch/ per shift	100%	paper	+1 year of the selected ecolabelled period	L	Provide monitoring equipment detail and its calibration status	-do-	-do-
S_{n1}	Total steam produced	Total steam produced per day	tonne/ day	M	Daily	100%	electronic/ paper	+1 year of the selected ecolabelled period	L	Provide monitoring equipment detail and its calibration status	-do-	-do-

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ESn1	Steam enthalpy	Average steam enthalpy	Kj/kg	C	weekly	100%	paper	+1 year of the selected ecolabelled period	M	Provide monitoring equipment detail and its calibration status	-do-	-do-
B_{hrs}	Boiler run hours	Daily boiler run hrs.	Hrs./day	M	daily	100%	electronic/paper	+1 year of the selected ecolabelled period	L	Provide monitoring equipment detail and its calibration status	-do-	-do-
Fc	Fuel quantity	Quantity of fossil fuel consumed / day for process steam generation	tonne/day	M	Daily	100%	paper	+1 year of the selected ecolabelled period	L	Provide monitoring equipment detail and its calibration status	-do-	-do-
Fcd	Fuel quantity	Quantity of jute caddies consumed per day for process steam generation	tonne/day	M	For each batch	100%	paper	+1 year of the selected ecolabelled period	L	Provide monitoring equipment detail and its calibration status	-do-	-do-
NCV_{FF,i}	Net calorific value	Average net calorific value of fuel on dry basis	Kcal/kg	M	On every procurement	Sample	Paper/electronic	+1 year of the selected ecolabelled period	L	Provide monitoring equipment detail and its calibration status	-do-	-do-
? Eq_{u,i,p}	Power consumption	Total power consumption (including all sub process for a complete batch)	kwh	M	For each batch	100%	Electronic / paper	-do-	L	Provide monitoring equipment detail and its calibration status	-do-	-do-
EP	Electricity quantity purchased	Electricity imported from the grid	kwh	M	Monthly	100%	Electronic	-do-	L	Provide monitoring equipment detail and its calibration status	-do-	-do-
EG	Electricity quantity generated	Inhouse power generation quantity	kwh	M	Monthly	100%	Electronic	-do-	L	Provide monitoring equipment detail and its calibration status	-do-	-do-
Pack_m	Packaging material	Quantity of packaging material consumed by type	tonne	C	For each batch	100%	Paper/electronic	-do-	M	NA	-do-	-do-
Weff	Treated process effluent discharged	quantity of treated process effluent discharged daily	KL	M	daily	100%	Paper/electronic	-do-	L	Provide monitoring equipment detail and its calibration status	-do-	-do-
Effi	Treated Effluent quality (load)	Treated effluent parameters (like pH, BOD, COD, O&G,TSS, Cr etc.)	mg/liter (except pH)	M	Weekly	Sample	Paper/electronic	-do-	L	Provide monitoring equipment detail and its calibration status	-do-	-do-
Pem_m	Process emission quantity	process emission quantity for all parameters(Sox/Nox/SPM)	tonne per day	C	Monthly	Sample	Paper/electronic	-do-	L	Provide monitoring equipment detail and its calibration status	-do-	-do-

ID number	Data type	Data variable	Data unit	Measured (m), calculated (c) or estimated (e)	Recording frequency	Proportion of data to be monitored	How will the data be archived? (electronic / paper)	For how long is archived data to be kept?	Uncertainty in measurement (H/M/L)	Calibration detail of the monitoring equipment	Person responsible for monitoring and recording	Comments
Waste	Solid waste generated (like fly ash/ caddies dust/ packaging waste)	Quantity of solid waste generated by type	tonne per batch	C	For each batch	100%	Paper/ electronic	Paper/ electronic	M	NA	-do-	-do-
Prod	Production	Quantity produced for the specific jute product	tonne	Measured	For each batch	100%	Electronic / paper	+1 year of the selected ecolabelled period	L	Provide monitoring equipment detail and its calibration status	-do-	-do-