

**TENDER SPECIFICATION OF 06 COLOR WITH COATER UV COMBI (HYBRID)
OFFSET PRESS**

1. **Name of the Equipment.** 06 Color with Coater UV Combi (Hybrid) Offset Press.
2. **Purpose.** The item will be used for high-quality, large-volume printing requiring expanded color for vibrant branding, metallic/spot colors, or special coatings, perfect for luxury packaging, magazines, art books, brochures, and curved items like plastic cups, offering superior color accuracy and visual appeal in one pass.
3. **Quantity.** 01 (One).
4. **Brand** To be mentioned.
5. **Model** To be mentioned.
6. **Classification Standard** ISO, CES.
7. **Year of Manufacture** 2025 or later.
8. **Country of Origin** USA/UK/EU Countries.
9. **Manufacturing Country** USA/UK/EU Countries.
10. **Name and Address of Local Supplier.** Name & full address with email are to be mentioned.
11. **Name and Address of Manufacturer.** Name & full address with email are to be mentioned.
12. **Name & Address of Principal Supplier.** Name & full address with email are to be mentioned.
13. **Bidder's Qualification.** The bidder is expected to have adequate knowledge in understanding all the technical criteria and ability to fulfill those in clear terms given in the indent. The supplier has to ensure that the source is either to be manufacturer or dealer/agent of the respective manufacturer (having clear existence in the manufacturer's authorization and website/fax & e-mail address) or sub-agent of the respective agent (having authorization from authorized dealer).
14. **Certificate and Document of Authentication.** The concerned supplier must provide following original certificate(s)/ document(s) as applicable with the quotation and during delivery of items as regard to the genuine of source and item(s) in order to establish chain of links from the original source to supply items:
 - a. One certificate by the Original Equipment Manufacturer (OEM) in favor of the local supplier (in case of OEM as principal).
 - b. Two certificates, one by the OEM to authorized dealer/agent and other by the authorized dealer/agent to supplier (in case of authorized dealer/agent as principal).

c. Three certificates, first one by OEM to authorized dealer/agent, second one by authorized dealer/agent to sub-agent and third one by sub-agent to supplier (in case of sub-agent as principal). If the supplier is unable to obtain the first certificate (by OEM to authorized dealer/agent), then it has to produce relevant document to prove agency-ship of its claimed agent of the recognized manufacturer.

15. **Technical Data**

Ser	Topic	Description
a.	Type	Sheetfed for Different Material Printing
b.	Color	6 Color + 1 Coating Unit
c.	Pile Height (Feeder)	(1110-1210) ± 10 mm Incl Pile Support Plate and Pile Board
d.	Pile Height (Delivery)	(1110-1350) ± 10 mm Incl Pile Support Plate and Pile Board
e.	Printing Type	Hybrid (Conventional & UV Printing Facility)
f.	Printing Speed	Maximum: (15,010-15,090) ± 20 sph or Above Minimum: 4000 sph
g.	Printing Area	(500-590 x 740) ± 10 mm
h.	Gripper Margin (Printing)	8-10 mm
j.	Substrate Types	Paper, Board, Cardboard etc/To be Mentioned
k.	Substrate Thickness	Minimum 0.03-0.04 mm Maximum 0.60 mm Optional Package/Extended: To be mentioned
l.	Sheet Size	Maximum size: (520-600 x 750) ± 10 mm Minimum size: (205-285 x 295-350) ± 05 mm
m.	Plate Size	(600-650 x 750) ± 10 mm
n.	Plate Thickness	(0.20-0.30) mm or Higher
p.	Plate Loading System	Automatic
q.	Plate Changeover Time	To be Mentioned
r.	Ink Profile Setting	Automatic
s.	Inking Roller Type	Hybrid (UV Combi & Conventional)
t.	Inking Unit Conditioning System	To be Mentioned
u.	Ink Drying System	To be mentioned
v.	Inking Roller Wash up System	Automatic/Programmed Controlled
w.	Dampening Roller Type	Hybrid (UV Combi & Conventional)
x.	Dampening Roller Numbers	To be Mentioned
y.	Registration Observation	Automatic
z.	Lubrication System	Central & Automatic
aa.	Ambient Temperature	5-50 °C
ab.	Humidity	40%-90%
ac.	Antistatic Device	To be Mentioned
ad.	Cylinder Geometry	To be mentioned
ae.	Coating Unit Type	Anilox Roller with Chambered Doctor Blade System
af.	Interdeck Dryer System	To be mentioned

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Ser	Topic	Description
	Delivery Dryer	UV Dryer
ag.	IR & Hot Air	To be Mentioned
ah.	Delivery Type	Double Extended Delivery
aj.	Blanket Cylinder & Impression Cylinder Wash up System	Automatic/Programmed Controlled
ak.	No of UV Lamps	To be mentioned
al.	Control System	PLC
am.	Cooling System	Necessary cooling system must be integrated with the machine
an.	Machine Weight	To be Mentioned
ap.	Machine voltage	380-440V, 3 Phase, 50 Hz
aq.	Power Source Requirement	To be Mentioned
ar.	Alarm System	Audible Alarm System
as.	Online UPS	As per Machine Standard (Tech Details to be attached)
at.	Noise Level	To be Mentioned
au.	Press Dimension (L x B x H)	To be mentioned (Available Floor Space on premises 1200 sft)
av.	Machine Condition	Brand New, Genuine & Ready to Use
aw.	Accessories	1. The Supplier need to provide all required accessories & fittings for installation and commissioning for ready to use. The Supplier will be liable to provide any additional accessories (if needed) according to the proposed equipment during installation. 2. Tool box with all necessary required tools must be supplied with the machine.
ax.	Safety & Environment	1. Nec fire suppression system for UV coater (if necessary) 2. Low energy consumption certification 3. Compliance with ISO 14001 (environmental standards). 4. Product should have CE certification.

16. **Publications/Manuals/Brochure and Catalogue.** The supplier is to provide the under mentioned publications/manuals:

- a. 02 sets of Illustrated Parts Catalogue (IPC) or Parts Identification List (PIL) up to component level.
- b. 02 sets Main Operational manual along with DVD.
- c. 02 sets Maintenance/Technical manual up to 3rd line maintenance along with DVDs.
- d. 02 sets Drawing/Diagram along with DVD.
- e. Software/ Coding required to operate the machine.



17. **Factory Acceptance Test (FAT)/Pre-Shipment Inspection (PSI).**

a. Factory Acceptance Test (FAT)/Pre-Shipment Inspection (PSI) will be carried out by a team of 03 (Three) BN Officers for a duration of 03 (Three) working days excluding journey period, at the buyer's expense (including return air ticket, food and accommodation). The supplier should inform the buyer about the date of FAT/PSI (schedule) at least 08 (eight) weeks prior to the date of commencement of the FAT/PSI. The FAT/PSI criteria for the items will be forwarded by the supplier along with the FAT/PSI schedule.

b. The FAT/PSI team shall carry out the Pre-shipment inspection at the factory site before the shipment. They shall inspect complete Offset Printing Machine at operation and its associated items like tools, spares and other equipment in the manufacturing plant. The team must be given full access to all the relevant manufacturing plant, shops and documents. The supplier will also ensure that BN team is allowed to check certificates, compliance of documents, genuineness of Installed components and any other associated documents/items during their stay at the ensured manufacturer's facility. Necessary security clearance for the BN team is to be done by the supplier. All expenses excluding local transportation and communication of the pre-shipment inspection team shall be borne by the BN. Local transportation and communication facilities (internet and ISD telephone) for the team shall be the responsibility of the supplier. PSI team will depart Bangladesh as per schedule submitted by the supplier.

c. All types of movement/transportation within the manufacturer/supplier's country, reception and arrangement for entry into the country/concerned area for the FAT/PSI team are to be arranged by the supplier.

d. On return from the country of supplier, the FAT/PSI team will submit report to concerned directorate of NHQ. NHQ concerned directorate will, in turn, forward final decision within 3 weeks, basing on which DGDP will render clearance for shipment of stores to the supplier concerned. The supplier will not make shipment of any item of the contract without clearance from the DGDP.

18. **Packing** All individual items to be packed separately in an airtight plastic bag during supply/shipment with appropriate commercial packing.

19. **Training of BN Personnel**

a. A comprehensive theoretical and practical training on operation and maintenance (upto third level) of supplied Offset Press is to be conducted for 12 BN personnel for the duration of 04 weeks at BN Central Printing Press and if required in a renowned factory (nominated & arranged by the supplier).

b. The main objectives of the training are to:

- (1) Understand the operational workflow of the hybrid machine.

- (2) Learn UV and water-based coating management.
- (3) Develop skills in troubleshooting and problem-solving.
- (4) Increase staff capacity to maintain consistent quality and high production efficiency.
- (5) To know how to maintain and service the machine regularly.
- (6) To be aware of safety rules and how to stay safe while working.
- (7) To get ready for new technology and machine updates.
- (8) To learn how to control print quality and reduce mistakes.

20. **Test Trial and Acceptance.** Operational Acceptance Check of supplied Offset printing machine and its associated equipment will be carried out at BNCPP by CINS and supplier's representative. If the system is found unsatisfactory, Acceptance Check will remain held up till the same is corrected. Acceptance will be completed after satisfactory functional check for continuous 02 weeks of operation. The acceptance certificate will be given by the CINS.

21. **Port of Shipment.** Any port of the manufacturing country.

22. **Shipment, Delivery and Inspection.** The supplier is to arrange shipment of items/equipment as per following conditions:

- a. **Shipment.** Offset Printing Machine along with associated equipment are to be delivered within 05 (Five) months from the date of signing the contract to the following consignee. Any delay on delivery would be dealt in accordance with the existing DGDP regulations.

Consignee:

The Commanding Officer, Naval Stores Depot, New Mooring
Chattogram, Bangladesh.

- b. **Place of Delivery.** BNCPP, NHQ, Banani, Dhaka-1213.
- c. **Inspection Authority.** CINS, Chattogram.

23. **Installation of Offset Printing Machine at BN Central Printing Press.** The Offset Printing Machine and as associated equipment's are to be installed by the supplier at BN Central Printing Press, Banani Dhaka-1213. The newly installed Offset Printing Machine has to be handed over to BN in serviceable and operational condition. Necessary fittings and diagrams are also to be provided by the supplier for installation. The supplier is to submit required information/documents of the foreigner's specialist (if require) 30 days before of arrival for installation/ trouble shooting support against supplied machine. All the expenses of installation/ trouble shooting team are to be borne by the supplier.



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24. **Detailed Work Plan.** The supplier shall conduct detailed site survey at selected site located at BN Central Printing Press, Banani Dhaka-1213, immediately after signing the contract. The supplier shall, work and coordinate with BN to determine any constraints and identify the best solution for the installation of the Offset Printing Machine and associated equipment items. The supplier shall provide a detailed work plan which should contain detailed information of all site preparation activities to be accomplished by the supplier prior to system installation at the site (including power, cable layouts, hard surface pads, interference mitigation if any) etc. The detailed work plan report shall be delivered to BN within 30 days of contract award.

a. **Air Conditioning Facility.** An air conditioning facility is required to establish for Offset Printing Machine Room to maintain desired temperature. 04 x Air conditioners (Split type, capacity-2 tons each) have to be installed by the supplier.

b. **Installation and Engineering Works.** Necessary engineering works, fittings, installation of AC and any other necessities are to be provided by the supplier for installation of offset printing machine and associated equipment's. Proper cabling and earthing facility are also to be laid out or established for Offset Printing Machine. The resistance for earthing should not exceed 01 ohm and should be suitable for the machine and other system. BN will not be responsible for the civil engineering works at the sites. After the successful completion of site preparation, the supplier shall install the Offset printing machine at BN Press. All cost for installation including food, internal transportation etc. of supplier's installation team is to be borne by the supplier.

c. **Site Survey.** The successful bidder/supplier must visit the BNCPP to study the feasibility and necessary requirement of the installation site. The supplier must do it before starting any purchase procedures.

25. **Validity of Offer.** Offer must be valid up to **30 June 2026.**

26. **Price without Import Duties.** Quoted price is to exclude all import duties as those will be consigned against BN.

27. **Payment Terms** Payment will be made through an irrevocable Letter of Credit (LC). LC will be opened in favor of Principal Supplier. Payment will be made as per following condition:

a. 80% of LC value will be released on submission of the following documents (05 sets):

- (1) Quality Assurance Certificate.
- (2) Classification Standard Certificate.
- (3) Original Bill of Lading (BL).
- (4) Supplier Signed Invoice.
- (5) Packing List.
- (6) Certificate of Origin/ Authenticity and Genuineness Certificate.

(7) **Manufacturer/Supplier warranty/Guaranty certificate.**

(8) **Pre-shipment inspection report accepted by BN.**

b. 10% of LC value will be released on completion of supply and installation of all contracted goods after receiving of acceptance report issued by the users.

c. Rest 10% of the contracted value would be released after expiry of all warranty period (01 year) of Offset Printing machine and satisfactory settlement of all unsatisfactory report/discrepancy report and warranty claims.

28. **Performance Check.** The supplier or his representative will carry out performance check of the offset printing machine after one year.

29. **Guarantee for Spares and Repair Support.** The supplier is to guarantee for providing spares supply/ repair support to BN for next 20 years/total life time (to be mentioned) after installation of the offset printing machine.

30. **Test Equipment/Testers and Tools.** The supplier is to provide all required test equipment testers along with the machine for 1st to 3rd line maintenance. Special tools are also to be provided along with the Offset Printing Machine that may require for the installation replacement of unit or any other maintenance purpose.

31. **Password.** The hardware/ software of Offset Printing Machine must not be password protected and the software should be hardware/ platform independent. If so, **password must be delivered to BN prior to the acceptance of Offset Printing Machine.**

32. **Warranty/Guarantee.** The supplier is to ensure the following:

a. The supplier is to provide three (03) years warranty for trouble free operation of entire Offset printing machine including other associated equipment from the date of acceptance of the system/equipment by BN.

b. If any item or equipment is found unserviceable/defective during warranty period, supplier is to replace/repair the same free of cost within 15 days from the date of reporting.

c. During the whole warranty period of the machine remains non-operational due to un-serviceability those days will be added with the warranty duration and thus, if the period of un-serviceability exceeds 50 days within a year then 1% per month of the contract value will be forfeited as penalty from the remaining 10% payment.

d. Both ways freight and insurance charges are to be borne by the supplier for the warranty replacement items if the items require for dispatching to abroad.

e. If the supplier fails to repair/replace an item/equipment under warranty claim within the stipulated period (15 days) then the warranty period would be extended by the number of days delayed in repair/replacing the items/equipment under warranty.

f. The supplier is to provide additional one (01) year engineering service on expiry of three (03) years warranty/guaranty service. On completion of the mentioned warranty period the maintenance service is to be ensured by the supplier but the cost of the required spares shall be paid as per actual.

g. For warranty repair/replacement, the supplier will collect the defective item from NSD Chattogram and re-supply the same to the collecting place after warranty repair or replacement.

33. **Miscellaneous Terms & Conditions.** The following miscellaneous terms and conditions are to be followed:

a. Due to the fault of the supplier, if any change/amendment is required in the contract all such expenses/charges shall be borne by the supplier.

b. BN/DGDP shall have the right to cancel the contract with necessary punitive action for supplier's failure in supplying the contracted machine and other goods in due time.

c. The cost of offset printing machine and additional equipment job including all charges is to be 'Firm and Fixed'. No increase of price at any stage after signing the contract will be accepted. If any item (components/spare parts/accessories) other than those already contracted is required during installation, those are to be provided by the supplier within the contracted value/cost.

d. Freight and insurance charges will be paid at actual, but not more than the contracted freight and insurance charge. The freight charge is to be mentioned in appropriate column of Bill of Lading (BL).

e. The transshipment is not allowed but if the bidder needs transshipment then they are to intimate to BN about their requirement. In case of such requirement, transshipment will only be allowed under single Bill of Lading (BL).

f. Part shipment and part payment is not allowed. The payment will be made as per Payment Terms.

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34. Any other terms & conditions not covered above will be as per the standing rules of BN/DGDP. All terms and conditions of DGDP also remain valid. If any of the above terms and conditions contradicts with the terms and conditions laid down in the DGDP rules and regulations, the later shall supersede the same.