GeM Bid / RFP for "On-Farm Makhana Handling Units"

Supply, Installation, Training and Warranty of 200 Composite Units

GeM Bid under the Central Sector Scheme for Development of Makhana, FY 2026–27.

Design Premise

Public support should first reduce the pain, risk and market disadvantage carried by the people who cultivate, harvest, dry, roast and pop makhana—before subsidising the easier, downstream layers of value capture.

BHDS USE NOTE

1. TheRFP

This document is Request for Proposal and BHDS-Added Bid-Specific Additional Terms and Conditions (ATC). It is intentionally lighter than a conventional machinery tender so that genuine manufacturers, dealers, resellers and system integrators can compete without forming a consortium or obtaining unrelated licences.

GeMSafeguards

Map each component to current GeM categories. Use a Bunch Bid where regular categories exist. Use a Bid only for items not available in a regular category and only to the extent permitted by the GeM portal and the current GTC. Select the highest-value core equipment as the primary category. DONOT specify a brand.

Step	BHDS action	Output
1	Confirm administrative and financial sanction	₹4.00 crore total estimated procurement value; government assistance ₹2.00 crore; beneficiary contribution ₹2.00 crore.
2	Complete GeM category mapping	Dryer, grader, weighing scales, storage/handling and PPE; record the search/category note on file.
3	BHDS-Added ATC	Remove clauses, automatically generated by GeM, if they duplicate/conflict with the portal.
4	GeM-generated fields	Bid number, publication/end date, pre-bid details, EMD/PBG selections and consignee schedule.

2. Notice Inviting Bid

The Bihar Horticulture Development Society (BHDS), Directorate of Horticulture, Agriculture Department, Government of Bihar invites online bids through the Government e-Marketplace (GeM) from eligible sellers for supply, installation, commissioning, hands-on training, warranty and after-sales support of 200 complete On-Farm Makhana Handling Units at beneficiary/cluster sites in Bihar.

The procurement is for a composite, farmer-facing unit. The successful seller may source components from multiple Original Equipment Manufacturers (OEMs), but shall remain solely responsible for integration, delivery, performance, documentation, warranty and service of the complete unit.

Bid parameter	Provision
BHDS	Bihar Horticulture Development Society (BHDS), Directorate of Horticulture, Agriculture Department, Government of Bihar
Scheme	Central Sector Scheme for Development of Makhana – Annual Action Plan 2026–27
Item	Composite On-Farm Makhana Handling Unit – 8 components
Quantity	200 complete units
Estimated unit ceiling	₹4,00,000 inclusive of GST, packing, freight, transit insurance, installation, training, verification, warranty and all incidental charges
Estimated procurement value	₹8,00,00,000 (Rupees Eight Crores only), subject to price discovery and sanction
Procurement mode	GeM Bid as permitted by current category availability and GeM rules
Bid system	Two-packet online bid: Technical and Financial
Award basis	Lowest evaluated composite landed price (L1) among technically responsive bidders, subject to price reasonableness and the unit ceiling
Delivery period	90 days from GeM contract, in three lots after approval of the first integrated unit
Bid validity	120 days or the period selected on GeM, whichever is stated in the system-generated bid
EMD / Bid Security	An Earnest Money Deposit (EMD) of ₹5,00,000/- (Rupees Five Lakhs Only) shall be submitted in the form of a Bank Guarantee (BG/e-BG) in favour of the **Mission Director, State Horticulture Mission, Bihar**, in accordance with the applicable terms and conditions of GeM and the current GeM General Terms and Conditions (GTC). Eligible exemptions (Bihar Purchase Preference Policy 2024), if any, shall be allowed upon submission of valid evidence recognized by GeM and applicable rules.
Performance security	As generated/selected on GeM and governed by the current GTC
Warranty	24 months for core dryer and grader; 12 months for weighing instruments/electrical accessories; consumables excluded
Pre-bid meeting	Online; questions and replies only through GeM
Consignee / sites	District Horticulture Offices and/or beneficiary sites listed in the GeM consignee schedule; final installation locations to be notified within 10 days of contract

The current GeM General Terms and Conditions (GTC), product/service-specific STC, bid-specific system conditions and this BHDS-Added ATC shall apply. If a clause in this document conflicts with a mandatory system-generated GeM condition, the mandatory current GeM condition shall prevail unless BHDS issues a lawful corrigendum.

3. Scope of Supply and Services

- Supply of all eight components in new, unused and complete condition, with compatible accessories, power cables, guards, fasteners and basic tool/spare kit.
- Integration and labelling of each unit as one beneficiary package with unique serial/QR asset identification and component-wise serial numbers.
- Packing, transit insurance, freight, unloading and safe placement at the notified district/beneficiary site.
- Installation, functional testing and at least two live-batch demonstrations covering dryer, grader, weighing, storage and worker-safety use.
- Initial Legal Metrology verification/stamping of supplied weighing instruments before final acceptance/CRAC, coordinated by the seller with the competent Bihar authority.
- Hindi/local-language operating and cleaning SOP cards; maintenance schedule; warranty card; service contact; list of spares and consumables.
- Training of at least five users per unit or a minimum of 20 users per cluster session, including women operators where present.
- Warranty, preventive service and breakdown support for the specified period; three scheduled field service visits during the first year.
- Submission of batch-wise installation, training, acceptance and geo-tagged documentation through the format prescribed by BHDS.

3.1 Exclusions

- No permanent civil construction, shed, foundation or warehouse building is included. Minor anchoring/assembly needed for supplied equipment is included.
- No industrial popping machine is included in this bid; popping machinery is supported separately under SMAM scheme.
- No recurring software subscription, proprietary data lock-in or mandatory annual licence fee is permitted.
- Beneficiary contribution shall be collected/accounted for by the Seller; the seller shall collect farmer's share from any beneficiary after the issuance of work orders to the beneficiary.



4. GeM Procurement Route and Bid Design

No custom BOQ for the entire kit, if regular GeM categories are available. A bunch architecture preserves category compliance while allowing one integrated contract.

Status	Route	BHDS instruction
Preferred	Regular Bunch Bid	Use when all or most components are available in regular GeM categories. Select the highest-value core machine as the primary category.
Permissible where required	Custom Bunch Bid	Use only for components not available in a regular category and subject to the current GeM interface/GTC. Retain regular categories for available items.
Not Permitted	Single-item custom/BOQ bid for the entire kit	May conflict with current GeM category discipline and reduce transparency/competition.
Award	Single composite contract	Financial evaluation on total delivered price for the complete unit; line-item breakup is for price reasonableness, tax and replacement only.

Competition Safeguards

Do not insert brand names, model numbers, local-office-at-bid-stage requirements, prior Government-order conditions, bidder-wide ISO certificates, physical document submission or a requirement that the bidder manufacture every component.

5. Bidder Eligibility –Verifiable

Criterion	Minimum requirement
Legal status	Proprietorship, partnership, LLP, company, cooperative, producer company or other legally competent entity registered on GeM.
Tax identity	Valid PAN and GST registration, unless lawfully exempt; details must match GeM profile.
Bidder type	OEM, authorised dealer/distributor, reseller, system integrator or agri/post-harvest equipment supplier. The bidder need not manufacture all components.
Multi-OEM sourcing	Permitted. For core machinery, the bidder shall submit OEM authorisation, dealership proof, technology licence or a purchase/channel undertaking acceptable to BHDS. Generic accessories do not require OEM authorisation.
Experience	Either (a) one completed supply of agricultural/post-harvest/food-processing equipment in the last five years, or (b) DPIIT-recognised start-up/MSE/new manufacturer that successfully delivers the approved first integrated unit before bulk supply.
Turnover	No additional minimum turnover over and above GeM system requirements is prescribed.
Prior Government supply	Not mandatory as Product Kit is a freshly designed kit for Makhana Farmers; Existence of any precedent is highly unlikely.
Quality certification	Bidder-wide ISO 9001/14001/45001 is not mandatory. Product-specific statutory compliance, model approval and safety requirements remain mandatory where applicable.
Service presence	No Bihar office is required at bid stage. The successful seller shall establish a service contact/partner in Bihar within 30 days of contract.
Debarment	Bidder and offered core OEMs must not be debarred/blacklisted from the relevant procurement as on bid submission; self-declaration subject to verification.
Country-of-origin / MII	As per current GeM, Public Procurement (Preference to Make in India) and land-border procurement provisions.

5.1 Documents in the technical bid

- GeM-generated bid submission and acceptance of GTC/STC/ATC.
- PAN, GST and legal-entity document as available/validated through GeM.
- Component-wise technical compliance matrix (Annexure A) without price information.
- Datasheets, photographs/drawings and make/model for the dryer, grader and weighing instruments.
- OEM authorisation/channel proof or manufacturer undertaking for core machinery; not required for generic bags, PPE, trays, crates or accessories.
- Legal Metrology model-approval certificate/reference for each weighing-instrument model and undertaking to obtain initial verification/stamping in Bihar.
- Past supply document or start-up/MSE/new-manufacturer route declaration under Clause 5.
- Warranty/service undertaking, non-blacklisting declaration and local service establishment undertaking.
- No price or price-identifying information in the technical bid.

No hard-copy or physical submission shall be demanded before bid opening unless the current GeM system/GTC specifically requires an original security instrument. All other documents should be accepted online.

6. Technical Specifications of the Composite Unit

Specifications are expressed in terms of function, minimum performance and safety. A bidder may offer a higher capacity or better material without additional cost, provided the offered equipment remains suitable for farmer/foriwala use and does not require industrial power or specialised infrastructure.

Equivalent specifications

Where an Indian Standard, international standard or material grade is cited, an equivalent or higher standard may be accepted on documentary evidence. BHDS shall not reject an offer merely because the seller uses a different brand-neutral design that meets the stated function and performance.

6.1 Component 1 – Solar-Assisted Covered Drying and Tempering System

Parameter	Minimum requirement
Purpose	Hygienic covered drying/conditioning of raw makhana seed; protection from rain, dust, birds and direct ground contact. It is not a roasting machine.
Type	Modular cabinet/tunnel or equivalent forced-convection system using solar thermal and/or solar-PV-assisted airflow. No direct contact between product and combustion gases.
Nominal batch handling	Not less than 75 kg of raw makhana seed per batch at a product-bed depth not exceeding 30 mm, or equivalent verified tray-area capacity.
Trays / contact surfaces	Minimum 12 removable perforated trays or equivalent surface; SS 304 or certified food-grade material; rounded, cleanable edges.
Air movement	Forced airflow by DC/AC fan; protective guard; replaceable insect screen/filter; uniform airflow demonstrated during acceptance.
Monitoring	Digital temperature display at minimum; relative-humidity display desirable. Sensor protected from direct sun/rain.
Power	Solar PV/DC and/or 230 V single-phase fan supply. Electrical load preferably ≤1.5 kW. Auxiliary electric heating is not mandatory.
Structure	Weather-resistant, corrosion-protected and stable; insulated where needed; knock-down or portable/wheeled design suitable for village sites.
Safety	Earthing, MCB/fuse where electrical, covered wiring, fan guards, no sharp exposed edges, safe tray handles and operating labels.
Accessories	Weather cover, tray trolley/rack, cleaning brush, basic toolkit, spare fuse/fan belt where applicable and Hindi SOP.
Warranty	24 months for structure, fan, controller and supplied electrical parts, excluding normal wear/consumables.

6.2 Component 2 – Raw Makhana Seed Cleaner-cum-Grader

Parameter	Minimum requirement
Type	Manual, pedal-operated or low-power motorised reciprocating/rotary grader with cleaning screen and at least four graded outputs.
Capacity	Minimum 250 kg/hour under normal clean, sun-dried raw-seed conditions. Bidder shall state tested throughput and feed conditions.
Grading	Interchangeable sieves/screens; at least four size fractions, separate outlets and collection chutes/bins.
Hopper	Minimum 20 kg feed capacity or equivalent continuous feed arrangement; safe feed height.
Materials	SS 304 or certified food-grade contact surfaces; corrosion-protected MS/SS frame; smooth, cleanable product path.
Drive	If motorised, single-phase 230 V, preferably ≤1 HP, with starter/overload protection and guards. Manual/pedal fallback accepted if capacity is met.
Mobility	Stable frame with lockable wheels or lifting points; suitable for movement within a village facility.
Safety	All moving parts guarded; emergency stop/switch for motorised unit; no exposed belts/gears; noise/vibration within safe operating limits.
Accessories	Four collection bags/bins, cleaning brush, spare screen fasteners, basic tool kit, operating/cleaning SOP.
Warranty	24 months for frame, drive, motor and transmission, excluding normal wear items.

6.3 Component 3 – Popped Makhana Manual Grading Sieve Set

Parameter	Minimum requirement
Construction	Four stackable circular or rectangular sieves, lid and receiver tray; SS 304 frame and screen; burr-free edges and handles.
Reference size bands	<13 mm; 13–15 mm; >15–18 mm; >18 mm. BHDS may confirm equivalent local market bands at pre-bid without reducing the number of sieves.
Working size	Minimum effective screen diameter/width 450 mm; robust enough for repeated manual use.
Identification	Each sieve permanently marked with aperture/grade; one laminated grade card with photographs/diagrams.
Cleaning	Washable, corrosion resistant and supplied with a soft cleaning brush and storage rack/bag.

6.4 Component 4 – Verified Weighing and Transaction-Receipt Set

Parameter	Minimum requirement
Platform scale	Electronic non-automatic weighing instrument; maximum capacity 300 kg; verification division not more than 100 g; platform not less than 600 × 600 mm; gross/tare/net function; stable digital display.
Tabletop scale	Maximum capacity 30 kg; verification division not more than 5 g; stainless-steel pan; tare function.
Power	Mains & rechargeable battery; minimum 8 hours practical battery operation; charger included.
Display/receipt	Dual or remote seller-visible display. Integrated printer or Bluetooth/USB-connected thermal printer capable of printing lot ID, gross, tare, net and date/time.
Check weight	One 20 kg verified/stamped weight or an equivalent daily-check set, with protective handling arrangement.
Statutory compliance	Offered models shall have valid Legal Metrology model approval where applicable. Seller shall coordinate and bear charges for initial verification/stamping in Bihar before CRAC.
Documentation	Model-approval reference, verification certificate/stamp details, serial number, user manual and re-verification due-date label.
Accessories	Protective cover, 12 thermal paper rolls, surge protector and carrying arrangement for the tabletop scale.
Warranty	Minimum 12 months comprehensive warranty; battery at least 6 months or manufacturer standard, whichever is higher.

Mandatory acceptance condition

A weighing scale delivered without valid model-approval evidence and initial verification/stamping shall not be accepted and CRAC shall not be generated for that unit.

6.5 Component 5 – Hermetic Storage and Hygienic Handling Set

Parameter	Minimum requirement
Protected capacity	Minimum aggregate protected storage capacity of 1,000 kg of popped makhana or equivalent raw seed.
Hermetic inner liners/bags	Food-grade multilayer barrier material suitable for dry food; heat-sealable or reliable hermetic closure; individual capacity 25–50 kg; minimum quantity sufficient for the stated protected capacity.
Outer bags	Washable/clean woven outer sacks or protective sleeves matching the hermetic liners; lot-label pocket or tag.
Pallets	Minimum four HDPE or equivalent washable raised pallets; adequate total footprint for the supplied bag capacity; load rating declared.
Crates / bins	At least eight food-grade stackable crates (40–60 L) and four lidded food-grade bins (40–60 L) or equivalent handling capacity.
SS handling tools	At least six SS 304 trays, two SS scoops and one perforated drain/handling tray; smooth and washable.
Ground protection	One heavy-duty washable tarpaulin/raised drying mat of at least 4 m × 6 m or equivalent area.
Sealer	Portable impulse heat sealer suitable for supplied liners, with spare heating element/teflon strip and operating instructions.
Labelling	Water-resistant lot tags/labels for at least 100 lots and permanent marker set.
Compliance evidence	Manufacturer self-declaration of food-grade suitability for direct-contact bags/liners and contact surfaces; BHDS may inspect/test samples.

6.6 Component 6 – Heat-Safe Popping and Ergonomic Work Set

Parameter	Minimum requirement
Coverage	Complete set for four operators.
Hand/arm protection	Four pairs heat-resistant outer gloves & four pairs washable inner gloves; four forearm guards. Gloves shall allow grip and shall not melt under normal use near roasting operations.
Face/body protection	Four clear face shields or heat/splash visors; four heavy cotton/flame-retardant-style work aprons (no unsupported "fireproof" claim).
Handling tools	Four long-handled tongs/scoops suitable for hot seed handling; insulated handles; two metal trays for safe transfer.
Ergonomics	Two stable low stools/seats and one insulated, low-vibration working platform/mallet base or equivalent arrangement to reduce bending and impact transmission.
Mallets	Two standardised popping mallets with replaceable food-safe/approved contact heads and ergonomic handles; spare head set included.
Storage	One lidded PPE/tool box and drying rack/bag for clean storage.
Sizing	Bidder shall provide mixed sizes or obtain beneficiary sizes before dispatch; replacement of wrongly sized PPE within 15 days at no cost.

6.7 Component 7 – Pond/Field Safety and Emergency-Communication Set

Parameter	Minimum requirement
Coverage	Complete non-medical set for four workers.
Gloves	Four pairs long-cuff waterproof/textured gloves suitable for wet handling, with puncture/abrasion resistance appropriate to farm work.
Footwear	Four pairs anti-slip waterproof footwear/gumboots for approach, shore and shallow work; quick removal; no claim of "snake-proof" or suitability for deep-water immersion.
Visibility / sun	Four high-visibility quick-dry vests, four wide-brim hats and four clear protective eyewear units.
Lighting / communication	Two rechargeable headlamps/torches, two whistles and two waterproof mobile pouches; charging cables included.
Emergency information	Waterproof laminated card/board in Hindi/local language showing emergency numbers, nearest designated health facility and WHO-aligned snakebite first actions: immobilise, avoid tight tourniquet/cutting/suction, and transport promptly.

6.8 Component 8 – Installation, Training, Warranty and Asset Tagging

Parameter	Minimum requirement
Site survey	Confirm safe floor, shelter/placement, electricity, ventilation and beneficiary contact before dispatch. No civil work is included.
Installation	Assembly, levelling, electrical checks, guards, dry run and live product demonstration.
Training	At least two live-batch sessions per unit/cluster covering operation, cleaning, safe use, grading, weighing receipt, storage and daily checks.
Training material	Laminated pictorial SOP cards in Hindi/local language; short video files/QR link; maintenance logbook.
Asset tag	Durable QR/serial tag showing scheme, unit ID, beneficiary/centre ID, supplier service number and warranty dates. QR shall use open/static data; no paid subscription.
Scheduled service	Three preventive visits in first year: after installation, before/at peak season and post-season.
Breakdown support	Complaint acknowledgement within 72 hours; site visit within seven working days where remote resolution fails; repair/replacement within 15 working days.
Spare availability	Core spares and wear parts available for at least five years at declared rates or normal market rates.
Documentation	Installation report, geo-tagged photographs, serial list, training attendance, acceptance tests, warranty cards and Legal Metrology records.

7. Bill of Quantities per Complete Unit

Item	Description	Quantity per unit
1	Solar-assisted covered drying and tempering system	1 complete set
2	Raw makhana seed cleaner-cum-grader	1 complete set
3	Popped makhana manual grading sieve set	1 set of 4 sieves & lid/receiver
4	Verified weighing and transaction-receipt set	1 platform scale , 1 tabletop scale , check weight & printer/accessories
5	Hermetic storage and hygienic handling set	1 complete set; minimum 1,000 kg protected capacity
6	Heat-safe popping and ergonomic work set	1 complete four-worker set
7	Pond/field safety and emergency-communication set	1 complete four-worker set
8	Installation, training, warranty and asset tagging	1 complete service package

Price ceiling

The total all-inclusive delivered and commissioned price of one complete unit shall not exceed ₹4,00,000. The bidder shall quote one composite unit price on GeM and provide a component-wise breakup only for tax, price-reasonableness, replacement and contract administration.

8. Delivery, First Integrated Unit and Lot Schedule

No physical sample is required from every bidder at the technical-bid stage. This avoids imposing a disproportionate cost on small or new suppliers. The successful seller (L1) must, however, produce one complete integrated unit before bulk dispatch.

Milestone	Deliverable
Contract + 10 days	BHDS issues final site/beneficiary schedule for first lot and confirms component category/serial-data format.
Contract + 15 days	Seller presents one complete integrated unit at BHDS-designated site in Patna/Purnea/Saharsa for inspection and live-batch trial.
Within 7 days of presentation	BHDS records approval, conditional approval with rectification, or rejection with reasons.
Contract + 45 days	Lot 1: 50 complete units delivered, installed, trained and accepted.
Contract + 65 days	Lot 2: 70 complete units delivered, installed, trained and accepted.
Contract + 90 days	Lot 3: 80 complete units delivered, installed, trained and accepted.

If the first integrated unit has rectifiable deficiencies, one rectification opportunity of up to 10 days may be allowed. Repeated failure of a core performance or statutory requirement may be treated as default under the GeM contract.

9. Inspection and Acceptance Protocol

9.1 Inspection stages

Stage	Minimum check
Document review	Compliance matrix, datasheets, OEM/channel documents, model approvals and warranty undertakings.
First integrated unit	100% component verification and functional demonstration before bulk supply.
Pre-dispatch / source inspection	BHDS may inspect a random sample up to 10% of units/components at seller/OEM premises; this does not replace site acceptance.
Site acceptance	100% count, condition, serial/QR, installation, live/dry run, training and document verification at each site/lot.
Legal Metrology	Scales accepted only after initial verification/stamping and certificate/mark details are recorded.
Post-installation audit	Random 10% beneficiary verification within 30–60 days; defects remain seller responsibility under warranty.

9.2 Functional acceptance tests

Module	Acceptance test
Dryer	All trays fitted; fan/airflow works; temperature display works; enclosure protects product; no exposed electrical or sharp hazard.
Raw-seed grader	Runs for at least 30 minutes with representative seed; four outputs obtained; no unsafe vibration/exposed moving parts; stated throughput sampled.
Sieve set	Four distinct marked apertures/grades; SS construction; stack fit and receiver/lid complete.
Platform/table scales	Zero/tare/gross/net and printer/connection tested; accuracy checked with verified weight; statutory verification recorded.
Storage set	Protected capacity count verified; closures/sealer demonstrated; pallets/crates/trays/bins counted and inspected.
PPE/ergonomic set	Four-worker quantities complete; correct sizes; no unsupported safety claims; tools and work supports stable.
Training/documentation	Attendance, live demonstration, SOP cards, warranty/service contact and QR/serial list completed.

10. Materials, Safety and Regulatory Compliance

Area	Requirement
Food-contact materials	SS 304 or certified food-grade polymer/material for trays, scoops, bins, crates and storage liners that directly contact makhana. OEM/manufacturer self-declaration is acceptable, subject to inspection/testing.
Electrical safety	Proper insulation, earthing, overload/MCB protection, guarded fans/motors, rated plugs/cables and no exposed live part.
Legal Metrology	Weighing instruments intended for trade shall meet applicable Legal Metrology requirements, including model approval and verification/stamping before use.
GeM	Current GTC, category-specific STC, BHDS ATC and online transaction requirements apply.
Labelling	Each core item shall show manufacturer/brand, model, serial number, electrical rating where applicable, manufacture month/year and warranty/service details.
Environmental / disposal	Packaging waste to be removed by seller at installation where feasible; batteries/electrical waste handled under applicable rules.

11. Training, Warranty and Service-Level Requirements

Service element	Requirement
Users trained	Minimum five users per individual unit or twenty users per cluster session; attendance and mobile number recorded.
Training content	Safe operation; loading; cleaning; drying/conditioning; grading; scale zero/tare and receipt; hermetic closure; PPE; emergency referral; daily maintenance.
Language	Hindi and simple local-language/pictorial content; no English-only manual.
Core warranty	24 months for dryer and grader from site acceptance.
Scale/electrical warranty	12 months minimum, or manufacturer standard if higher.
Consumables	Bags/liners, paper rolls, PPE wear items and similar consumables are not covered for normal wear, but manufacturing defects at delivery shall be replaced.
Acknowledgement	Within 72 hours of complaint by phone/WhatsApp/email/portal.
Site response	Within seven working days if remote resolution is not possible.
Resolution	Within 15 working days; temporary replacement or substitute arrangement if repair exceeds 30 days.
Preventive visits	Three visits in first year, documented in beneficiary logbook.
Penalty	BHDS may apply GeM contractual remedies/LD and recover documented third-party repair cost after notice for unremedied warranty default.

12. Technical Evaluation and Financial Award

12.1 Technical evaluation – pass/fail

Technical check	Result
Responsive legal/tax/GeM status	Pass / Fail
Eligibility route under Clause 5	Pass / Fail
Complete eight-component compliance matrix	Pass / Fail
Core machinery data and OEM/channel evidence	Pass / Fail
Legal Metrology model-approval evidence/undertaking	Pass / Fail
Warranty/service undertaking	Pass / Fail
No price in technical bid	Pass / Fail

Clear pass/fail compliance followed by L1 selection would be followed.

12.2 Financial evaluation

1. Financial evaluation shall be on the total composite landed price for 200 complete units, inclusive of all taxes and services stated in scope.
2. The quoted unit price shall not exceed ₹4,00,000. A bid above the ceiling may be treated as non-responsive unless BHDS formally revises the sanctioned ceiling before opening financial bids.
3. The component-wise price breakup is mandatory for reasonableness and replacement but shall not be used to split the award among multiple sellers unless the GeM bid itself expressly provides quantity splitting.
4. Negotiation, reverse auction, multiple-L1 handling and tie resolution shall follow current GeM functionality/GTC.
5. BHDS may seek clarification of an abnormally low bid and may require confirmation that all components, statutory verification, freight, installation and warranty are included. No post-bid price loading is permitted.

13. Payment, CRAC, Liquidated Damages and Contract Administration

Clause	Provision
Payment	Lot-wise payment through GeM after complete delivery, installation, training, Legal Metrology verification and CRAC for the accepted units. No advance payment.
Beneficiary contribution	Managed by BHDS separately. Seller shall collect farmer's shareonly, from beneficiaries.
Invoice	Component-wise tax breakup, unit serial/QR list and site-wise quantity attached to GeM invoice.
CRAC	Generated only after site acceptance documents and statutory scale verification are complete. Partial CRAC may be used lot-wise as permitted by GeM.
Rejected goods	Seller shall replace/remove rejected goods within the period prescribed by GeM GTC/BHDS notice at its own cost.
Delay	Liquidated damages and contractual remedies as per current GeM GTC; delivery period is material to the contract.
Risk purchase / repair	After notice and failure to cure, BHDS may use contractual remedies and recover admissible additional cost as permitted by GeM/applicable law.
Force majeure	As per current GeM GTC.
Dispute / jurisdiction	As generated by GeM and applicable Government of Bihar procurement/legal provisions.
Audit	All records, serial lists, verification certificates and training documents are subject to departmental, statutory and audit inspection.

14. Material Deviations and Grounds for Rejection

- Omission of any one of the eight components or quoting only for selected components.
- Price information disclosed in the technical bid.
- A weighing instrument without model-approval evidence/undertaking for initial verification.
- Used, refurbished or repaired equipment offered as new.
- Unsupported claim that footwear/PPE is "snake-proof", "fireproof" or suitable for deep-water work.
- Conditional price excluding GST, freight, installation, training, verification or warranty.
- Mandatory recurring proprietary subscription for operation or asset data.
- Failure to accept site-wise serial/QR tagging and beneficiary handover documentation.
- Material false declaration or debarment under applicable rules.

Annexure A – Component-Wise Technical Compliance Matrix

No.	Component	Specification reference	Complies	Evidence / deviation
1	Solar-assisted dryer/tempering system	Clause 6.1	Yes / No	Bidder to state make/model and page reference
2	Raw seed cleaner-cum-grader	Clause 6.2	Yes / No	Bidder to state make/model and page reference
3	Popped makhana sieve set	Clause 6.3	Yes / No	Bidder to state make/model and page reference
4	Weighing and receipt set	Clause 6.4	Yes / No	Bidder to state make/model and page reference
5	Hermetic storage and handling set	Clause 6.5	Yes / No	Bidder to state make/model and page reference
6	Heat-safe popping/ergonomic set	Clause 6.6	Yes / No	Bidder to state make/model and page reference
7	Pond/field safety set	Clause 6.7	Yes / No	Bidder to state make/model and page reference
8	Installation/training/warranty	Clause 6.8	Yes / No	Bidder to state make/model and page reference

Bidder shall attach a detailed clause-by-clause compliance sheet. Any deviation must be explicitly stated; silence shall not be treated as compliance where the offered datasheet is inconsistent.

Annexure B – Component-Wise Price Breakup (Financial Bid Support)

No.	Component	Base price/unit	GST	Other included charges	All-inclusive/unit
1	Solar-assisted dryer/tempering system	₹	₹	₹	₹
2	Raw seed cleaner-cum-grader	₹	₹	₹	₹
3	Popped makhana sieve set	₹	₹	₹	₹
4	Weighing and receipt set	₹	₹	₹	₹
5	Hermetic storage and handling set	₹	₹	₹	₹
6	Heat-safe popping/ergonomic set	₹	₹	₹	₹
7	Pond/field safety set	₹	₹	₹	₹
8	Installation/training/warranty	₹	₹	₹	₹
	Total per complete unit (must not exceed ₹4,00,000)	₹	₹	₹	₹

This breakup shall be uploaded only in the financial bid. It must not appear in the technical bid.

Annexure C – First Integrated Unit Inspection Record

Module	Test	Result	Observation / rectification
Completeness	All eight components and specified quantities present	Pass / Conditional / Fail	
Dryer	Airflow, display, tray count, weather protection and electrical safety	Pass / Conditional / Fail	
Grader	Four outputs, guarding and 30-minute representative run	Pass / Conditional / Fail	
Sieve set	Four marked sizes, SS construction, complete lid/receiver	Pass / Conditional / Fail	
Scales	Model evidence, zero/tare/net, printer, verified check weight	Pass / Conditional / Fail	
Storage/handling	1,000 kg protected capacity and complete accessories	Pass / Conditional / Fail	
PPE/ergonomics	Four-worker count, sizes, safe design, no false claims	Pass / Conditional / Fail	
Safety/referral	Non-medical kit complete; prohibited items absent	Pass / Conditional / Fail	
Training/docs	SOP, logbook, warranty and QR format demonstrated	Pass / Conditional / Fail	

Committee decision: Approved / Approved subject to rectification by _____ / Rejected with reasons. Date: _____ Seller representative: _____ Committee members: _____

Annexure D – Beneficiary Site Handover and Acceptance Certificate

Field	Entry
Unit ID / QR ID	_____
Beneficiary / collective	_____
Village / Block / District	_____
Supplier / GeM contract	_____
Installation date	_____
Legal Metrology verification details	_____
Users trained (names/mobile)	_____
All eight components received	Yes / No; deficiency: _____
Live demonstration completed	Yes / No
SOP, warranty and service contact received	Yes / No

Beneficiary acknowledgement: I/We have received the listed equipment in working condition, have been shown its safe use, and have not paid any amount directly to the supplier other than through the approved Government contribution mechanism.

Beneficiary signature/thumb impression: _____ Supplier: _____ DHO/authorised officer: _____ Date: _____

Annexure E – Warranty and Service Undertaking

1. We accept the warranty periods and service response times stated in Clause 11.
2. We shall establish a Bihar service contact/partner within 30 days of contract and provide phone, WhatsApp and email details.
3. We shall maintain core spares for at least five years and shall not make operation dependent on a paid software subscription.
4. We shall replace any component found damaged, incomplete, counterfeit or materially non-compliant at delivery.
5. We shall not collect cash, fee, commission or travel charge from a beneficiary for work covered by warranty.
6. We shall maintain service records mapped to Unit ID/QR ID and provide them to BHDS on request.

Bidder name: _____ Authorised signatory: _____ Date: _____ GeM Seller ID: _____

Annexure F – Declarations

F1. Non-Blacklisting and Truthfulness Declaration

We declare that the bidder and the offered core OEMs are not debarred/blacklisted from participation in the relevant procurement as on the date of bid submission, except as fully disclosed below. We further declare that all uploaded documents, model approvals, authorisations, experience claims and technical particulars are true and verifiable.

Disclosure, if any: _____

F2. Multi-OEM Integration Responsibility

We may source components from multiple OEMs, but accept single-point responsibility for integration, compatibility, delivery, statutory documentation, installation, warranty and service of the complete unit. Any dispute with an OEM shall not reduce our obligations to BHDS or beneficiary.

Bidder name: _____ Authorised signatory: _____ Seal: _____ Date: _____

Annexure G – District / Site Schedule Format (All North-Bihar Districts)

S. No.	District / consignee	Qty.	Installation location	Nodal contact
1	District / consignee to be entered on GeM	Quantity	Beneficiary sites to be notified	Concerned DHO
2	District / consignee to be entered on GeM	Quantity	Beneficiary sites to be notified	Concerned DHO
3	District / consignee to be entered on GeM	Quantity	Beneficiary sites to be notified	Concerned DHO
4	District / consignee to be entered on GeM	Quantity	Beneficiary sites to be notified	Concerned DHO
5	District / consignee to be entered on GeM	Quantity	Beneficiary sites to be notified	Concerned DHO
6	District / consignee to be entered on GeM	Quantity	Beneficiary sites to be notified	Concerned DHO
7	District / consignee to be entered on GeM	Quantity	Beneficiary sites to be notified	Concerned DHO
8	District / consignee to be entered on GeM	Quantity	Beneficiary sites to be notified	Concerned DHO
9	District / consignee to be entered on GeM	Quantity	Beneficiary sites to be notified	Concerned DHO
10	District / consignee to be entered on GeM	Quantity	Beneficiary sites to be notified	Concerned DHO
11	District / consignee to be entered on GeM	Quantity	Beneficiary sites to be notified	Concerned DHO
12	District / consignee to be entered on GeM	Quantity	Beneficiary sites to be notified	Concerned DHO

Annexure H –ATC

The following clauses will be used in GeM as ATC, with the full RFP uploaded as an annexure:

1. The bid is for 200 complete On-Farm Makhana Handling Units, each comprising all eight components in the uploaded RFP. Partial/component-only bids are not acceptable.
2. The all-inclusive unit price shall not exceed ₹4,00,000 and shall include GST, packing, freight, transit insurance, unloading, installation, live demonstration, training, Legal Metrology verification of scales, warranty and all incidental charges.
3. OEMs, authorised dealers, resellers and system integrators are eligible. The bidder need not manufacture every component and may source from multiple OEMs; no consortium is required. The bidder remains the single point of responsibility.
4. No additional minimum turnover or prior Government-supply criterion is prescribed beyond the eligibility stated in the uploaded RFP and GeM system requirements. Start-ups/MSEs/new manufacturers may qualify through the first-integrated-unit route.
5. The offered weighing instruments shall have applicable Legal Metrology model-approval evidence and shall be initially verified/stamped in Bihar before CRAC. Charges are included in the bid price.
6. No physical sample is required from all bidders. The successful seller shall present one complete integrated unit within 15 days of contract; bulk dispatch shall begin only after approval/rectification.
7. Delivery shall be completed in three lots: 50 units by day 45, 70 units by day 65 and 80 units by day 90, unless the GeM contract records an approved variation.
8. Technical evaluation is pass/fail. Financial award shall be to L1 on the total composite landed price, subject to price reasonableness, the unit ceiling and current GeM rules.
9. The seller shall not collect any, commission or fee from beneficiaries except the "Farmer's Share" as mandated in the guidelines of the scheme.
10. Warranty: 24 months for dryer and grader; 12 months for weighing instruments/electrical accessories. Complaint acknowledgement within 72 hours; site response within seven working days; resolution within 15 working days.
11. A durable QR/serial asset tag, Hindi/local-language SOP, training record, site acceptance certificate, component serial list and warranty/service contact are mandatory for CRAC.
12. No brand-specific, proprietary subscription or recurring software licence shall be necessary for ordinary operation of the unit.
13. The current GeM GTC/STC and system-generated bid conditions apply. In case of conflict, mandatory current GeM provisions prevail unless lawfully modified by corrigendum.

