TECHNICAL EVALUATION REPORT

(As Per Rule 35 of PP Rules, 2004)

- 1. Name of Procuring Agency: Ministry of Defence through the Project Director of its Green-AI Project Management Unit.
- 2. Method of Procurement: Single Stage-Two Envelope
- 3. Title of Procurement: Supply and Installation of Machinery & Equipment For PCSIR
- 4. Tender Inquiry No: GREENAI-MACHINERY&EQPT/RFP-PCSIR-01/2025
- 5. PPRA Ref No: TS557018E
- 6. Date & Time of Bid Closing: 6 March, 2025 at 11:00 am
- 7. Date & Time of Bid Opening: 6 March, 2025 at 11:30 am
- 8. No of Bids Received: 09
- 9. Details of Bid(s) Evaluation: Category-wise Comparative Statement is as follows:

Items/ Packages No as per RFP	Firms	Status
Package-A / Serial No.1	M/s Chemical house	Not Quoted
Accessories compatible with Single Glass Catalytic reactor	M/s Rizvi & Co	Not Quoted
(100L) & double jacketed Catalytic reactor (50L) (As per	M/s HA Shah & Sons	Not Quoted
specifications mentioned in RFP). Manufacturer Lamphan China.	M/s Med Lab	Technical proposal complies the required specification Qualified
	M/s Rays Technologies	Not Quoted
	M/s Prime scientific	Not Quoted
	M/s Trojans	Not Quoted
	M/s Kamstech	Not Quoted
	M/s Shah scientific	Not Quoted

Dr. All Shar Khan RA GraceAI PCSER (Member)

Dr. Lastr Saleem. PSO, PCSER (Member)

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SSO, PCSR (Member)

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Director (Technology)' Member

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Items/ Packages No as per RFP	Firms	Status
Package-B/ Serial No.2 Sedimentation & decanting centrifuge for pilot scale	M/s Chemical house	Not Quoted
	M/s Rizvi & Co	Not Quoted
applications (As per specifications mentioned in RFP). Qty: 1	M/s HA Shah & Sons	Technical proposal complies the required specification Qualified
	M/s Med Lab	Not Quoted
	M's Rays Technologies	Not Quoted
	M/s Prime scientific	Not Quoted
	M/s Trojans	Not Quoted
	M/s Kamstech	Not Quoted
	M/s Shah scientific	Not Quoted
Package-B / Serial No.3	M/s Chemical house	Not Quoted
Vacuum oven (As per specifications mentioned in RFP).	M/s Rizvi & Co	Not Quoted
Qty: 1	M/s HA Shah & Sons	Not Quoted
	M/s Med Lab	Not Quoted
	M/s Rays Technologies	Technical proposal complies the required specification Qualified
	M/s Prime scientific	Not Quoted
	M/s Trojans	Not Quoted
	M/s Kamstech	Not Quoted
	M/s Shah scientific	Not Quoted
Package-B / Serial No.4	M/s Chemical house	Not Quoted
Overhead Stirrer with speed regulator (As per	M/s Rizvi & Co	Not Quoted
specifications mentioned in RFP).	M/s IIA Shah & Sons	Not Quoted
Ajuwinive	Anie Mahr	Rector
Dr. All Nitar Khan RA Green Al PCSIR (Member)	Dr. Sania Slathar. SSO, PCSIR. (Member)	Dr. Babia Nartr (550, PCSIR (Member)
Dr. Xiria Saleem	Childer. Engr. Chulan Shabble.	Air Core M Abubaka
PSO, PCSIF (Member)	Director (Technology)' Member	Dy PD Germal

Qty: 1	M/s Med Lab	Not Quoted
	M/s Rays Technologies	Technical proposal complies the required specificatio Qualified
	M/s Prime scientific	Not Quoted
	M/s Trojans	Not Quoted
	M/s Kamstech	Not Quoted
	M/s Shah scientific	Not Quoted
Package-B / Serial No.5	M/s Chemical house	Not Quoted
Automatic Kjeldahl Distillation Analyzer with built-in	M/s Rizvi & Co	Not Quoted
Autosampler & Titration System with scrubber and sample digestion unit (As per specifications mentioned in	M/s HA Shah & Sons	Not Quoted
RFP)	M/s Med Lab	Not Quoted
Qty: 2	M/s Rays Technologies	Technical proposal complies the required specification Qualified
	M/s Prime scientific	Not Quoted
	M/s Trojans	Not Quoted
	M/s Kamstech	Not Quoted
	M/s Shah scientific	Not Quoted
Package-B/Serial No.6	M/s Chemical house	Not Quoted
Fume hood (As per specifications mentioned in RFP). Qty: 2	M/s Rizvi & Co	Not Quoted
Q13:2	M/s HA Shah & Sons	Not Quoted
	M/s Med Lab	Not Quoted
	M/s Rays Technologies	Technical proposal complies the required specification Qualified
	M/s Prime scientific	Not Quoted
	M/s Trojans	Not Quoted
	M/s Kamstech	Not Quoted

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Dr. Yost Salesm. PSO, PCSIR (Member)

Dr. Sania Martar. SSO, PCSIR (Member)

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Engr. Chulam Shabbir. Director (Technology) Member

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Dr. Eabia Sarir P \$50, PCSIR (Member)

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all and a share in the second	M/s Shah scientific	Not Quoted
Package-B / Serial No.7 Muffle Furnace for 12 crucibles of 50 ml (As per specifications mentioned in RFP). Qty: 1	M/s Chemical house	Not Quoted
	M/s Rizvi & Co	Not Quoted
	M/s HA Shah & Sons	Not Quoted
	M/s Med Lab	Not Quoted
	M/s Rays Technologies	Technical proposal complies the required specification Qualified
	M/s Prime scientific	Not Quoted
	M/s Trojans	Not Quoted
	M/s Kamstech	Not Quoted
	M/s Shah scientific	Not Quoted

Items/ Packages No as per RFP	Firms	Status
Package-C / Serial No.8	M/s Chemical house	Not Quoted
Digital Peristaltic Pump (As per specifications mentioned	M/s Rizvi & Co	Not Quoted
in RFP).	M/s HA Shah & Sons	Not Quoted
Qty: 2	M/s Med Lab	Not Quoted
	M/s Rays Technologies	Technical proposal complies the required specification Qualified
	M/s Prime scientific	Not Quoted
	M/s Trojans	Not Quoted
	M/s Kamstech	Not Quoted
	M/s Shah scientific	Not Quoted
Package-C / Serial No.9	M/s Chemical house	Not Quoted
	M/s Rizvi & Co	Not Quoted

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Dr. Ali Miar Khan RA Ginnal PCSIR (Member)

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Dr. Sania Mazhar. SSO, PCSIR (Member)

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Engr. Ghulam Shabbir. Director (Technology)' Member

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P. Babia Sazir P \$50, PCSIR (Member)

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Recirculating Chiller (As per specifications mentioned in RFP). Qty: 1	M/s HA Shah & Sons	Not Quoted
	M/s Med Lab	Not Quoted
	M/s Rays Technologies	Technical proposal complies the required specification Qualified
	M/s Prime scientific	Not Quoted
	M/s Trojans	Not Quoted
	M/s Kamstech	Not Quoted
	M/s Shah scientific	Not Quoted
Package-C / Serial No 10	M/s Chemical house	Not Quoted
Magnetic hot plates (As per specifications mentioned in	M/s Rizvi & Co	Not Quoted
RFP). Qty: 2	M/s HA Shah & Sons	Not Quoted
QIJ: 2	M/s Med Lab	Not Quoted
	M/s Rays Technologies	Technical proposal complies the required specification Qualified
	M/s Prime scientific	Not Quoted
	M/s Trojans	Not Quoted
	M/s Kamstech	Not Quoted
	M/s Shah scientific	Not Quoted
Package-C / Serial No 11 Gene Pulser Total Electroporation System (As per	M/s Chemical house	Technical proposal complies the required specification Qualified
specifications mentioned in RFP).	M/s Rizvi & Co	Not Quoted
Qıy: 1	M/s HA Shah & Sons	Not Quoted
	M/s Med Lab	Not Quoted
	M/s Rays Technologies	Technical proposal does not comply the required specification Not Qualified

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Dr. Sanla Mazhar SSO, PCSIR (Member)

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Engr. Ghulam Shabbir. Director (Technology)' Member

Ret

Dr. Babia Sarir (SSO, PCSIR (Member)

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	M/s Trojans	Not Quoted	
	M/s Kamstech	Not Quoted	
	M/s Shah scientific	Not Quoted	
Package-C/ Serial No.12	M/s Chemical house	Not Quoted	
SEM-EDS (As per specifications mentioned in RFP).	M/s Rizvi & Co	Not Qualified Tech Preparel class with comply The Ref K	
Qty: 1	M/s HA Shah & Sons	Not Quoted	
	M/s Med Lab	Not Quoted	
	M's Rays Technologies	Not Quoted	
	M/s Prime scientific	Qualified Jeck Report Comply The MKA Rept.	
	M/s Trojans	Not Qualified Tech Regional Compety The MKP Reals. Not Qualified Tech Progrand closes net couply The APP Re Not Qualified	
	M/s Kamstech	Not Quoted	
	MI/s Shah scientific	Not Qualified Jesh Perpende loes not comply the KAP to	
Package-C / Serial No.13	M's Chemical house	Not Quoted by any vendor /	
Ball mill machine with Frequency Control (AS per	M/s Rizvi & Co		
specifications mentioned in RFP). Qty: 1	M/s HA Shah & Sons		
	M/s Mcd Lab		
	M/s Rays Technologies		
	M/s Prime scientific		
	M/s Trojans		
	M/s Kamstech		
	M/s Shah scientific		
Package-C/Serial No 14	M/s Chemical house	Not Quoted	
Microscope Objective (compatible will Umpus CKX	M/s Rizvi & Co	Not Quoted	
53) (As per specifications mentioned in (FP).	M/s HA Shah & Sons	Not Quoted	
Alinow w	Jamin Michar	(last-	
Dr. All Shar Khan RA Green (NCS IR (Member)	Dr. Sania Muzhar. SSO, PCSIR (Member)	Dr. Rabia Sazir PSO.PCSIR (Member)	
Dr. Jahr Salerm	Engr. Chulam Shatthr.	Alr Edre M Abubaka	
PSO, PCSIR (Member)	Ductor (Technology)' Member	Dr PD Green M	

A	M/s Rays Technologies	
	M/s Prime scientific	
	M/s Trojans	1 (1
17	M's Kamsterh	
	M/s Shah scientific	
Package-C / Serial No 14	M/s Chemical house	Not Quoted
Microscope Objective (compatible with Olympus CKX 53) (As per specifications mentioned in RFP).	M/s Rizvi & Co	Not Quoted
Qty: 1	M/s HA Shah & Sons	Not Quoted
	M/s Med Lab	Not Quoted
	M/s Rays Technologies	Technical proposal complies the required specificatio Qualified
	M/s Prime scientific	Not Quoted
	M/s Trojans	Not Quoted
	M/s Kamstech	Not Quoted
	M/s Shah scientific	Not Quoted
Package-C / Serial No 15	M/s Chemical house	Not quoted by any vendor
Top loading balance - industrial scale (As per specifications mentioned in RFP).	M/s Rizvi & Co	
Qty: 1	M/s HA Shah & Sons	
	M/s Med Lab	-
	M/s Rays Technologies	
	M/s Prime scientific	
	M/s Trojans	
	M/s Kamstech	
	M/s Shah scientific	
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Package-C / Serial No.16 Analytical Balance (As per specifications mentioned in	M/s Chemical house	Not Quoted
	M/s Rizvi & Co	Not Quoted
RFP). Qty: 2	M/s HA Shah & Sons	Not Quoted
	M/s Med Lab	Not Quoted
	M/s Rays Technologies	Technical proposal does not comply with the required specification Not Qualified
	M/s Prime scientific	Not Quoted
	M/s Trojans	Not Quoted
	M/s Kamstech	Technical proposal complies the required specification Qualified
	M/s Shah scientific	Not Quoted
Package-C / Serial No.17	M/s Chemical house	Not Quoted
Micro Balance (As per specifications mentioned in RFP).	M/s Rizvi & Co	Not Quoted
Qty: 1	M/s HA Shah & Sons	Not Quoted
	M/s Med Lab	Not Quoted
	M/s Rays Technologies	Not Quoted
	M/s Prime scientific	Not Quoted
	M/s Trojans	Not Quoted
	M/s Kamstech	Technical proposal complies the required specification Qualified
	M/s Shah scientific	Not Quoted

Dr. All Nisar Khan RA Green Al PCSIR (Member)

Dr. Yasar's Verm. PSO, PCSIR (Nember)

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Items/ Packages No as per RFP	Firms	Status
Package-D / Serial No 18	M/s Chemical house	Not Quoted
pH meter (As per specifications mentioned in RFP).	M/s Rizvi & Co	Not Quoted
Qty: 2	M/s HA Shah & Sons	Technical proposal complies the required specification Qualified
	M/s Med Lab	Not Quoted
-	M/s Rays Technologies	Technical proposal complies the required specification Proposal technically qualifies but vendor proposals does not qualify the equipment required at Serial No 19 and 20. (Therefore they do not qualify for the package requirements).
	M/s Prime scientific	Not Quoted
	M/s Trojans	Not Quoted
	M/s Kamstech	Not Quoted
	M/s Shah scientific	Not Quoted
Package-D / Serial No 19	M/s Chemical house	Not Quoted
Short spin / mini spin (As per specifications mentioned in RFP). Qty: 2	M's Rizvi & Co	Not Quoted
	M/s HA Shah & Sons	Technical proposal complies the required specification Qualified
	M/s Med Lab	Not Quoted
	M/s Rays Technologies	Technical proposal does not comply with the required specification Not Qualified
	M/s Prime scientific	Not Quoted
	M/s Trojans	Not Quoted
	M/s Kamstech	Not Quoted
Dr. All Nitar Khan	Amic Midre Dr. Sanla Mather	Dr. Babla Narie
RA Greenal PCSIR (Member)	SSO. PCSIR (Member)	SO. PCSIR (Member)
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	M/s Shah scientific	Not Quoted
Package-D / Serial No 20	M/s Chemical house	Not Quoted
Micropipettes (Ranging from 0.5µl to 5000µl) (As per specifications mentioned in RFP)	M/s Rizvi & Co	Not Quoted
2 sets each	M/s HA Shah & Sons	Technical proposal complies the required specification Qualified
	M/s Mcd Lab	Not Quoted
	M/s Rays Technologies	Technical proposal does not comply with the required specification Not Qualified
	M/s Prime scientific	Not Quoted
	M/s Trojans	Not Quoted
	M/s Kamstech	Not Quoted
	M/s Shah scientific	Not Quoted

Items/ Packages No as per RFP	Firms	Status
Package E/ Serial No 1,2,3,4,5	M/s Chemical house	Not Quoted
Tangential Flow Filtration, membrane, 5 KDa. Qty: 2 Tangential Flow Filtration, membrane, 10 KDa. Qty: 2 Tangential Flow Filtration, membrane, 30 KDa. Qty: 1 Tangential Flow Filtration, membrane, 50 KDa. Qty: 2	M/s Rizvi & Co	Technical proposal does not comply with the required specification Not Qualified
	M/s HA Shah & Sons	Not Quoted
	M/s Med Lab	Technical proposal complies the required specification Qualified
	M/s Rays Technologies	Not Quoted
	M/s Prime scientific	Not Quoted
	M/s Trojans	Not Quoted

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Dr. All Nikar Khan RA Green Al PCSIR (Member)

Dr. Yasar (Herm. PSO, PCSIR (Nomber)

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Dr. Sania Mazhar. SSO, PCSIR (Member)

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Tangential Flow Filtration, membrane, 100 KDa.	M/s Kamstech	Not Queted	all and
Qty: 1	M/s Shah scientific	Not Quoted	
(As per specifications mentioned in RFP)			

Items/ Packages No as per RFP	Firms	Status
Package E/ Serial No 6 PTFE Filter (As per specifications mentioned at RFP).	M/s Chemical house	Not Quoted
	M/s Rizvi & Co	Not Quoted
Qty: 6	M/s HA Shah & Sons	Not Quoted
	M/s Med Lab	Technical proposal complies the required specification Qualified
	M/s Rays Technologies	Not Quoted
	M/s Prime scientific	Not Quoted
	M/s Trojans	Not Quoted
	M/s Kamstech	Not Quoted
	M/s Shah scientific	Not Quoted
Package E/ Serial No No.7 pH Sensor (High Temperature (As per specifications mentioned at RFP) Qty: 2	M/s Chemical house	Not Quoted
	M/s Rizvi & Co	Not Quoted
	M/s HA Shah & Sons	Not Quoted
	M/s Med Lab	Technical proposal complies the required specification Qualified
	M/s Rays Technologies	Not Quoted
	M/s Prime scientific	Not Quoted
	M/s Trojans	Not Quoted /
	M/s Kamstech	Not Quoted

into the Dr. All Nisar Khan RA Green Al PCSIR (Member) Dr. Kant Saleem. PSO, PCSIR (Member)

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M/s Shah scientific Not Quoted

Items/ Packages No as per RFP Package-F (Nanomaterials Pilot Plant Accessories and	Firms	Status
consumables)	13 m 12 12 12 13 1	
 Stainless Steel Racks & Trays (02) – Stainless steel trolley rack with a minimum of 6 shelves, 100-150 kg capacity, with stainless drip pan trays (Preferred dimension: 34" × 44" × 3"), non-corrosive to alkalis, acids, and chemical corrosion, able to withstand heating at 150°C. Glass Petri Plates (100mm×15mm, 150mm×15mm, 200mm×15mm) – 3 packs each (10 plates/pack). Conical Funnels – Glass (10", 7", 4", 3", 2") – 10 each. Separating Funnels QF (NS 19) with Stoppers (50 mL, 100 mL, 500 mL) – 02 each. Separating Funnels – Simple with Stoppers (50 mL, 100 mL, 500 mL, 1000 mL, 500 mL, 250 mL, 100 mL, 500 mL, 500 mL, 250 mL, 100 mL, 500 mL, 900 mL, 250 mL, 100 mL, 500 mL, 500 mL, 100 mL, 500 mL,	No proposal submitted by any vendors	N/A
Dr. All Niar Khaa RA Green Al PCSIR (Member) Dr. Light Saleem PSO, PCSIR (Member)	Dr. Sania Mathar SSO, PCSIR (Member) Engr. Chulam Shabhir. Director (Technology) Member	Air Catre M Abritakr Dr. Babia Sartir (Sto, PCSIR (Member)

100 mL, 50 mL) – 10 cach.		
 Glass Desiccators with Porcelain Plate (240mm) – 		
Complete set, 05 each.		
 Vacuum Desiccators with Porcelain Plate 		
(240mm) - Complete set, 05 each.		
 Conical Flasks (1 L, 2 L, 5 L) - 05 each. 		
Features: SL capacity, borosilicate glass (complies		
with DIN ISO 1), manufactured from PYREX®		
borosilicate glass for highest resistance to thermal		
shock and chemical corrosion, white enamel		
graduations, and wide neck.		
 Distilled Water Can (20 L) with Tap - 02 each. 		
 Porcelain Buchner Funnels with Fixed Perforated 		
Plates (30 mL, 550 mL, 1060 mL, 4500 mL) - 05		
cach, with rubber scalants compatible with funnel		
neck diameters (02 with each funnel).		
 pH Test Strips (0-14 range) - 5 packs. 		
 Teflon Beakers (100 mL, 50 mL, 250 mL) – 10 		
each.		
 Measuring/Volumetric Flasks (A-Class with 		
Traceability) (5 mL, 10 mL, 25 mL, 50 mL, 100		
mL, 250 mL, 500 mL, 1000 mL) - 12 each.		
 Test Tubes Set (Pyrex and Simple, 130 mm × 15 		
mm, 1.2 mm thickness) – 03 packs each		
(1000/pk).		
Disposable Sterile Single-Use Inoculating Loops		
- 10 per pack × 20, 1 per pack × 100.		
 Chemical-Proof Measuring Jug with Marked 		
Scale (5 L) - 05 each.		

Dr. All Nhar Khan RA Gunnal PCSIR (Member) Dr. Yatar Direm. PSO, PCSIR (Number)

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Items/ Packages No as per RFP Package G Biofertilizer consumables – (Commercial grade) (complete package must be quoted)	Firms	Status
 Sucrose (50 Kg, Commercial grade). Glucose solid (50 Kg, Commercial grade). Glucose liquid (50 L, Commercial grade). Rice polish (500 Kg, Commercial grade). Wheat bran (500 Kg, Commercial grade). Rock phosphate (10 Kg, Commercial grade). Ammonium sulphate (25 Kg, Commercial grade). Athrow (10 Kg, Commercial grade). KHaPO+ (10 Kg, Commercial grade). NaCl (10 Kg, Commercial grade). FeSO+ (10 Kg, Commercial grade). MgSO+ (10 Kg, Commercial grade). Ethyl Alcohol / Solvent E (180 L, Commercial grade). 	No proposal submitted by any sendors	N/A

Firms Status Items/ Packages No as per RFP Package H Bio fertilizer consumables (analytical / lab grade) (complete package must be quoted) 1th Midur Pr. Rabia Satir SSO, PCSER (Member) Dr. Sanla Mathat. SSO, PCSIR (Member) Dr. Ali Mar Khan RA Grendi PCSIR (Member) You

Dr. Yatat Saleem. PSO, PCSIR (Member)

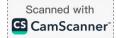
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Research / Analytical / Lab Grade	No proposal submitted	N/A
 Yeast Extract (1 Kg, Research/analytical/lab grade). 	by any vendors	
Analytical Grade		
 Agar (2 Kg. Analytical grade). 		
 Gram Iodine (100 g, Analytical grade). 		
 Crystal Violet (100 g. Analytical grade). 		
 Safranin (100 g. Analytical grade). 		
 n-Hexane (3 x 2.5 L, Analytical grade). 		
 Ammonium Oxalate (500 g, Analytical grade). 		
 Potassium lodide (500 g, Analytical grade). 		
· Glucose Std (100 g, Analytical grade).		
· CaCls, Ca(PO+) = (500 g, Analytical grade).		
 MnSO+HrO (500 g, Analytical grade). 		
 FeSO7HrO (500 g. Analytical grade). 		
· Barton Reagent (1 L, Analytical grade).		
 KalipO4 (500 g. Analytical grade). 		
 KH1PO+ (500 g. Analytical grade). 	1. No.	and the second
 CaClı (500 g, Analytical grade). 		9
 FcCli-6HLO (500 g, Analytical grade). 		
 NaMoO2H2O (500 g, Analytical grade). 		
 L-Malic Acid (500 g, Analytical grade). 		
 Mannitol (500 mL, Analytical grade). 		
 Biotin (50 g, Analytical grade). 		
 Sodium Molybdate (500 g, Analytical grade). 		
 Yeast Extract (500 g x 4, Analytical grade). 		
HPLC Grade		0.*
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PSO, PCSD (Member)	Director (Technology)' Member	Dy PD Garman

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•	Ethyl Alcohol / Solvent E (3 x 2.5 L, HPLC grade).	
Packag	ging Materials	
•	Bio-fertilizer Packing Sacks (25 No. 10 Kg capacity).	
	Plastic Jerry Can (20 No. 15 L capacity).	

Brow for-Dr. All Shar Khan RA Garnal POSTR (Member) Dr. Lasar Steem. PSO, PCSIR (Member)

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Dr. Sania Marhar. SSO, PCSIR (Member)

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Engr. Ghulam Shabhir. Durctor (Technology)' Member

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