



ICAR-NATIONAL RESEARCH CENTRE ON PIG
INDIAN COUNCIL OF AGRICULTURAL RESEARCH
RANI, GUWAHATI-781131
(An ISO 9001:2015 certified institute)



Phone No.0361 2847195

F.No.659/NRCP/2018-19

Date: 01.10.2018

To,

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Sub: TENDER ENQUIRY FOR "REPAIR & MAINTENANCE/MINOR CONSTRUCTION WORKS".

The Director, ICAR-NRC on Pig, ICAR, Rani, Guwahati invites Tender for **REPAIR & MAINTENANCE/MINOR CONSTRUCTION WORKS** in two bid system i.e Technical Bid and Financial Bid for the works as per the list enclosed (**Annexure-A**) and details of works as (**Annexure-B1 to B17**) from the authorized and reputed firms/construction agencies/contractors.

Closing Date of Tenders is upto 11.00 AM on 16.10.2018

Date of Opening of Tender is 3.00 PM on 16.10.2018 onwards at Conference Hall, ICAR-NRC on Pig, Rani

Terms & Conditions:

1. No Advance Payment will be made. Payment will be made only after satisfactorily completion of Supply of the items.
2. **Technical Bid should contain following documents:** Tenders will be rejected on Non compliance of any of the following documents.
 - a. Registration Certificate with CPWD/APWD/PWO/Any other Govt Agency authorized to do so.
 - b. GST Certificate.
 - c. Annual Turnover Certificate of amount of Rs. 5.00 lakhs and above in last financial year.
 - d. Bank details.
 - e. Work order of Construction Works in the last financial year.
 - f. PAN/TAN Card Copy.
3. **Price Bid should contain following documents.**
 - a. In the prescribed format as enclosed as **Annexure-C**
4. Price Bids of only those agencies/contractors/firms will be opened which were found technically qualified.
5. All the items should comply with quality standard.
6. Legal jurisdiction for all the disputes will be within the preview of the Guwahati High Court.
7. Director, ICAR-NRC on Pig, Guwahati reserves the right to cancel any tender without assigning any reason thereof.

Thanking you,

Yours faithfully,

Sd/-
Director (Acting)

Details of Repair & Maintenance /Minor Construction Works

<u>SL.No</u>	<u>Name of the Work</u>	<u>Place of Work</u>	<u>Details of Works enclosed as</u>
1.	Repairing of Cupboard Kitchen of Guest House of NRC on Pig, Guwahati	ICAR-NRC on Pig, Rani, Guwahati, Assam	Annexure B1
2.	Change of Wash Basin of Guest House of NRCP, Guwahati	ICAR-NRC on Pig, Rani, Guwahati, Assam	Annexure B2
3.	Roof Tin Replacement of Type II Quarters	ICAR-NRC on Pig, Rani, Guwahati, Assam	Annexure B3
4.	Roof Tin Replacement of Type IV Quarters	ICAR-NRC on Pig, Rani, Guwahati, Assam	Annexure B4
5.	Roof Tin Replacement of Type III Quarters	ICAR-NRC on Pig, Rani, Guwahati, Assam	Annexure B5
6.	Roof Tin Replacement of Type I Quarters	ICAR-NRC on Pig, Rani, Guwahati, Assam	Annexure B6
7.	Roof Tin Replacement of Power Control Room and Generator Room	ICAR-NRC on Pig, Rani, Guwahati, Assam	Annexure B7
8.	Extension of Power House/Generator room	ICAR-NRC on Pig, Rani, Guwahati, Assam	Annexure B8
9.	Renovation of Toilet Block	ICAR-NRC on Pig, Rani, Guwahati, Assam	Annexure B9
10.	Providing and Fixing Partition of Microbiology room of Q.C Lab.	ICAR-NRC on Pig, Rani, Guwahati, Assam	Annexure B10
11.	Construction of Chainlink Fencing covering Pond Area	ICAR-NRC on Pig, Guwahati, Assam	Annexure B11
12.	Extension of Security Room	ICAR-NRC on Pig, Rani, Guwahati, Assam	Annexure B12
13.	Construction of Visitor Room	ICAR-NRC on Pig, Rani, Guwahati, Assam	Annexure B13
14.	Painting of KVK Quarters	KVK, Dudhnoi, Goalpara, Assam	Annexure B14
15.	Painting of KVK Administrative Building	KVK, Dudhnoi, Goalpara, Assam	Annexure B15
16.	Construction of Dung Pit for Quarantine Shed.	KVK, Dudhnoi, Goalpara, Assam	Annexure B16
17.	Sand Gravel of KVK Internal Roads	KVK, Dudhnoi, Goalpara, Assam	Annexure B17

Annexure B1**Name of work: Repairing of Cupboard Kitchen of Guest House at NRC on pig at Rani.**

SLNo	Description	Qty	Unit
1	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:		
	25 mm thick (for cupboard) including ISI marked nickel plated bright finished M.S. piano hinges with necessary screws	15.00	sqm
2	Providing & Fixing decorative high pressure laminated sheet of plain / wood grain in gloss / matt/ suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality.		
	1.5 mm thick	15.00	sqm

Name of Work: Change of Wash Basin of Guest House at NRCP

Sl.No	Description of Item	Quantity	Unit
1	Providing and fixing under counter wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: White Vitreous China Wash basin size 630x450 mm	2.00	Each
2	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Semi rigid pipe ,32 mm dia	4.00	Each
3	Providing and fixing 600x120x5 mm glass shelf with edges round off, supported on stainless steel with C.P. brass brackets and guard rail complete fixed with 40 mm long screws, rawl plugs etc., complete.	2.00	Each
4	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931: 15 mm nominal bore.	4.00	Each
5	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 a) 15 mm nominal bore .15mm nominal bore	4.00	Each
6	Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour. 15 mm nominal bore with 45 cm length.	4.00	Each
7	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade. New work (two or more coats) over and including water thinnable priming coat with cement primer.	65.00	Sqm
8	Providing and fixing 18mm thick gang saw cut mirror polished premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills , facias and similar locations of required size, approved shade, colour and texture laid over 20mm thick base cement mortar 1:4 (1 cement : 4 coarse sand) joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Granite of any colour and shade.Area of slab over 0.50 sqm.	2.00	Sqm

Name of Work :- Roofing replacement of Type-II quarter at ICAR-NRC on Pig at Rani, Guwahati

SLNo	Description	Qty	Unit
1	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	217	sqm
2	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+ 0.05 %) total coated thickness, Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete :		
	Ridges plain (500 - 600mm)	19	metre

Name of Work :- Roofing replacement of Type-IV quarter at ICAR-NRC on Pig at Rani Guwahati

SLNo	Description	Qty	Unit
1	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	242	sqm
2	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+ 0.05 %) total coated thickness, Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete :		
	Ridges plain (500 - 600mm)	20	metre

Name of Work :- Roofing replacement of Type-III quarter at ICAR-NRC on Pig at Rani Guwahati

SLNo	Description	Qty	Unit
1	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	240	sqm
2	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+ 0.05 %) total coated thickness, Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete :		
	Ridges plain (500 - 600mm)	20	metre

Name of Work :- Roofing replacement of Type-I quarter at ICAR-NRC on Pig at Rani Guwahati

SLNo	Description	Qty	Unit
1	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	217	sqm
2	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+ 0.05 %) total coated thickness, Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete :		
	Ridges plain (500 - 600mm)	19	metre

Name of Work :- Roofing replacement of Power Control Room & Generator Room at ICAR-NRC on Pig at Rani Guwahati

SLNo	Description	Qty	Unit
1	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineerin-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	180	sqm
2	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+ 0.05 %) total coated thickness, Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete :		
	Ridges plain (500 - 600mm)	25	metre

Annexure B8**Name of work: Extension of Power house/Generator room for NRC on Pig at Rani, Guwahati.**

SLNo	Description	Qty	Unit
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil.	6.00	cum
2	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	4.00	cum
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size).	0.50	cum
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :- 1:5:10 (1 cement : 5 coarse sand (zone-III): 10 graded stone aggregate 40 mm nominal size).	0.60	cum
5	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more.	100.00	Kg
6	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:4 (1 cement : 4 coarse sand)	1.50	cum
7	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in : cement mortar 1:4 (1 cement : 4 coarse sand)	25.00	sqm
8	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	70.00	kg
9	12 mm cement plaster of mix : 1:4 (1 cement: 4 fine sand)	40.00	sqm

Name of Work: Renovation of Toilet Block at ICAR-NRC on Pig

Sl.No	Description of Item	Qty.	Unit
1	Providing and fixing ISI marked flush door shutters conforming to IS: 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters .35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws.	6.00	Sqm
2	Providing and fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with nuts and screws etc. complete : 250x16 mm	3.00	Each
3	Providing and fixing aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete : 250x10 mm	6.00	Each
4	200x10 mm	2.00	Each
5	Providing and fixing aluminium handles ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete : 125 mm	8.00	Each
6	Providing and fixing factory made panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19 mm x 19 mm for styles and 15x15 mm for top & bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture. M.S. frame covered with 5 mm thick heat moulded PVC 'C' channel of size 30mm thickness, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on both side forming styles and 5 mm thick, 95 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered in 45 degree on the inner side to form top and bottom rail and 115 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided both side of the panel. 10 mm (5 mm x 2) thick, 20 mm wide cross PVC sheet be provided as gap insert for top rail & bottom rail, paneling of 5 mm thick both side PVC sheet to be fitted in the M.S. frame welded/ sealed to the styles & rails with 7 mm (5 mm+2 mm) thick x 15 mm wide PVC sheet beading on inner side, and joined together with solvent cement adhesive. An additional 5 mm thick PVC strip of 20 mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent adhesive etc. complete as per direction of Engineer-in-charge, manufacturer's specification & drawing.30 mm thick pre laminated PVC door shutters	7.50	Sqm

7	Providing and fixing factory made door frame (single rebate) made out of single piece extruded solid PVC foam profile with homogenous fine cellular structure having smooth outer integral skin having 62 mm width & 32 mm thickness, frame will be mitred & Jointed with self driven self tapping screws of size 38 mm x 4 mm & PVC solvent cement, including fixing the frame to wall with suitable dia & length anchor fastener as per manufacturer's specification and direction of Engineer-in-charge.	27.00	m
8	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid	14.00	Each
9	Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required : Single half stall urinal with 5 litre P.V.C. automatic flushing cistern	10.00	Each
10	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps.	14.00	Each
11	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in - charge.	14.00	Each
12	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Semi rigid pipe ,32 mm dia	24.00	Each
13	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	13.00	Each
14	Providing and fixing 600x120x5 mm glass shelf with edges round off, supported on anodised aluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40 mm long screws, rawl plugs etc., complete.	14.00	Each
15	Providing and fixing toilet paper holder : C.P. brass	13.00	Each

16	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931: 15 mm nominal bore.	13.00	Each
17	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 a) 15 mm nominal bore .15mm nominal bore	14.00	Each
18	Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour. 15 mm nominal bore with 45 cm length.	27.00	Each
19	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade. New work (two or more coats) over and including water thinnable priming coat with cement primer.	200.00	Sqm
20	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge.(for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.)	22.00	Kg

Name of work: Providing and fixing partitioning of microbiological room for QC lab of NRC on Pig at Rani (Assam).

SLNo	Description	Qty	Unit
1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :		
	For fixed portion		
	Powder coated aluminium (minimum thickness of powder coating 50 micron)	60.00	kg
2	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item):		
	With float glass panes of 5.50 mm thickness	127.00	sqm
3	Providing and fixing aluminium tubular handle bar 32 mm outer dia, 3.0 mm thick & 2100 mm long with SS screws etc .complete as per direction of Engineer-in-Charge.		
	Powder coated minimum thickness 50 micron aluminium tubular handle bar	6.00	each
4	Providing and fixing Stainless Steel Box and fittings all accessories complete as per direction of Engineer charge	3.00	each

Name of Work: Construction of Chainlink Fencing at NRCP, Rani.

Sl.No	Description of Item	Quantity	Unit
1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:2:4 (1 cement : 2 coarse sand(zone-III) : 4 graded stone aggregate 20 mm nominal size)	6.00	Cum
2	Providing and fixing G.I. chain link fabric fencing of required width in mesh size 50x50 mm including strengthening with 2 mm dia wire or nuts, bolts and washers as required complete as per the direction of Engineer-in-charge. Made of G.I. wire of dia 4 mm	220.00	Sqm
3	Supplying at site Angle iron post & strut of required size including bottom to be split and bent at right angle in opposite direction for 10 cm length and drilling holes upto 10 mm dia. etc. complete.	220.00	Kg

Name of work: Extension of Security Room at NRCP, Rani.

SI No.	Description of Item	Quantity	Unit
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.	1.00	Cum
2	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	1.00	Cum
3	Supplying good earth including excavation at source, royalty, carriage by mechanical means including loading and unloading for all lead & lift and spreading and filling in layers not exceeding 20 cm in depth, breaking clods, watering rolling each layer with 1/2 tonne roller or wooden or steel rammer and rolling every 3rd and top most layer with power roller of minimum 8 tonne and dressing up the surface complete with all lift as per the direction of the Engineer-in-charge. (Rate i/c the cost of excavation, carriage, loading, unloading, filling the ground, consolidating and dressing the surface).	3.00	Cum
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:5:10 (1 cement : 5 coarse sand(zone-III) : 10 graded stone aggregate 40 mm nominal size)	1.50	Cum
5	1:2:4 (1 cement : 2 coarse sand(zone-III) : 4 graded stone aggregate 20 mm nominal size)	1.50	Cum
6	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size).	1.00	Cum
7	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size).	1.00	Cum
8	Centering and shuttering including strutting, propping etc. and removal of form for : Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	7.00	Sqm

9	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete up to plinth level. Thermo-Mechanically Treated bars of grade Fe-500 D or more.	99.00	Kg
10	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:4 (1 cement : 4 coarse sand)	1.50	Cum
11	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in. Cement mortar 1:4 (1 cement : 4 coarse sand)	10.00	Sqm
12	12 mm cement plaster of mix : 1:4 (1 cement: 4 fine sand)	15.00	Sqm
13	15 mm cement plaster on the rough side of single or half brick wall of mix :	15.00	Sqm
14	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	58.00	Kg
15	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	11	sqm
16	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : For fixed portion : Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron)	13	kg

Name of Work: Construction of Visitors Room at NRCP

Sl.No	Description of Item	Quantity	Unit
1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:5:10 (1 cement : 5 coarse sand(zone-III) : 10 graded stone aggregate 40 mm nominal size)	2.00	Cum
2	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor, etc., up to floor five level, excluding the cost of centering, shuttering and finishing : 1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	2.00	Cum
3	Providing and laying Vitrified tiles in floor with different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS : 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately).	30.00	Sqm
4	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade: Two or more coats on new work.	100.00	Sqm
5	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	100.00	Sqm
6	Varnishing with varnish of approved brand and manufacture: Two or more coats of glue sizing with copal varnish over an under coat of flattening varnish.	50.00	Sqm

7	<p>Providing and fixing GI Clip in Metal Ceiling System of 600x600 mm module which includes providing and fixing 'C' wall angle of size 20x30x20mm made of 0.5mm thick pre painted steel along the perimeter of the room with help of nylon sleeves and wooden screws at 300mm center to centre, suspending the main C carrier of size 10x38x10mm made of G.I steel 0.7 mm thick from the soffit with help of soffit cleat 37x27x25x1.6 mm, rawl plugs of size 38x12 mm and C carrier suspension clip and main carrier bracket at 1000mm c/c Inverted triangle shaped Spring Tee having height of 24 mm and width of 34mm made of GI steel 0.45 mm thick is then fixed to the main 'C' carrier and in direction perpendicular to it at 600mm centers with help of suspension brackets. Wherever the main C carrier and spring T have to join, C carrier and spring T connectors have to be used. All sections to be galvanized @ 120 gms/sqm (both side inclusive) Fixing with clip intiles into spring 'T' with : GI Metal Ceiling Clip in plain Beveled edge global white color tiles of size 600x600 and 0.5mm thick with 25mm height, made of G I sheet having galvanizing of 100 gms/sqm (both sides inclusive) and 20% perforation area with 1.8mm dia holes and having NRC of 0.5, electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending and perforation.</p>	25.00	Sqm
8	<p>Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass/ stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : For fixed portion.Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron)</p>	115.00	Kg
9	<p>Providing and fixing 12mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS:12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge. Pre-laminated particle board with decorative lamination on both sides.</p>	9.00	Sqm
10	<p>Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item): With float glass panes of 5.50 mm thickness</p>	20.00	Sqm

11	Providing and fixing double action hydraulic floor spring of approved brand and manufacture conforming to IS : 6315, having brand logo embossed on the body / plate with double spring mechanism and door weight upto 125 kg., for doors, including cost of cutting floors ,embedding in floors as required and making good the same matching to the existing floor finishing and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer-in-charge. With stainless steel cover plate minimum 1.25 mm thickness.	1.00	Each
12	Providing and fixing aluminium tubular handle bar 32 mm outer dia, 3.0 mm thick & 2100 mm long with SS screws etc .complete as per direction of Engineer-in-Charge. Polyester powder coated minimum thickness 50 micron aluminium tubular handle bar	2.00	Each
13	Providing and fixing 100mm brass locks (best make of approved quality) for aluminium doors including necessary cutting and making good etc. complete.	1.00	Each
14	Providing and fixing anodised aluminium grill (anodised transparent or dyed to required shade according to IS: 1868 with minimum anodic coating of grade AC 15) of approved design/pattern, with approved standard section and fixed to the existing window frame with C.P brass/ stainless steel screws @ 200mm centre to centre, including cutting the grill to proper opening size for fixing and operation of handles and fixing approved anodised aluminium standard section around the opening, all complete as per requirement and direction of Engineer-in-charge. (Only weight of grill to be measured for payment).	40.00	Kg
15	Providing and fixing flat pressed 3 layer particle board medium density exterior grade (Grade I) or graded wood particle board IS : 3087 marked, to frame, backing or studding with screws etc. complete (Frames, backing or studding to be paid separately) : 6 mm thick	20.00	Sqm
16	18 mm thick	32.00	Sqm

Name of Work :- Painting of KVK Quarter at Dudnoi, Goalpara (Assam)

SLNo	Description	Qty	Unit
1	Distempering with 1st quality acrylic washable distemper (ready made) of approved manufacturer and of required shade and colour complete. as per manufacturer's specification One or more coats on old work	1200	sqm
2	Finishing walls with Acrylic Smooth exterior paint of required shade: Old work (Two or more coat applied @ 1.67 ltr/ 10 sqm) on existing cement paint surface	1090	sqm
3	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : One or more coats on old work	90	sqm
4	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters: 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	12	sqm
5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size)	2	cum
6	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters: 25 mm thick (for cupboard) including ISI marked nickel plated bright finished M.S. piano hinges with necessary screws	16	sqm

Name of Work :- Painting of KVK Administrative Building at Dudnoi, Goalpara (Assam)

SLNo	Description	Qty	Unit
1	Distempering with 1st quality acrylic washable distemper (ready made) of approved manufacturer and of required shade and colour complete. as per manufacturer's specification One or more coats on old work	1300	sqm
2	Finishing walls with Acrylic Smooth exterior paint of required shade: Old work (Two or more coat applied @ 1.67 ltr/ 10 sqm) on existing cement paint surface	600	sqm
3	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : One or more coats on old work	310	sqm
4	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters: 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	15	sqm
5	Providing and laying Ceramic glazed floor tiles of size 300x300 mm(thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), including pointing the joints with white cement and matching pigment etc, complete.	70	sqm

Name of work:-Construction of Dung pit at KVK Goalpara campus, Dudhnoi.

Sl. No	Description	Qty	Unit
1	EARTH WORK		
1.1	Earth work in excavation by mechanical means (Hydraulic Excavator)/ manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.		
1.1.1	All kinds of soil.	67.00	cum
1.3	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	52.00	cum
1.4	Extra for every additional lift of 1.5 m or part thereof in.		
1.4.1	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	20.00	cum
2	CONCRETE WORK		
2.1	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level :		
2.1.1	1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size)	4	cum
3	REINFORCED CEMENT CONCRETE		
3.1	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :		
3.1.1	1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size).	7	cum
3.2	Centring and shuttering including strutting, propping etc. and removal of form for :		
3.2.1	Foundations, footings, bases of columns, etc. for mass concrete.	5	sqm
3.2.2	Suspended floors, roofs, landings, balconies and access platform.	5	sqm
3.2.3	Lintels, beams, plinth beams, girders, bressumers and cantilevers.	10	sqm

3.3	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.		
3.3.1	Thermo-Mechanically Treated bars.	650	kg
4	BRICK WORK		
4.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:		
4.1.1	Cement mortar 1:6 (1 cement : 6 coarse sand)	9.00	cum
6	FINISHING		
6.1	12 mm cement plaster finished with a floating coat of neat cement of mix :		
6.1.1	12 mm cement plaster finished with a floating coat of neat cement of mix :	23.00	sqm
6.2	15 mm cement plaster on rough side of single or half brick wall finished with a floating coat of neat cement of mix :		
6.2.1	1:4 (1 cement: 4 fine sand)	26.00	sqm
6.3	6 mm cement plaster of mix :		
6.3.1	1:3 (1 cement : 3 fine sand)	46.00	sqm
7	DRAINAGE		
7.1	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size) inside plastering 12mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) finished with a floating coat of neat cement complete as per standard design :		
7.1.1	Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) :		
7.1.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	1	each
7.2	Extra for depth for manholes		
7.2.1	Size 90x80 cm		
7.2.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	1	metre
7.3	Providing M.S. foot rests including fixing in manholes with 20x20x10 cm cement concrete blocks 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) as per standard design :		
7.3.1	With 20x20 mm square bar	18	metre

7.4	Providing and fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality		
7.4.1	L D- 2.5		
7.4.1.1	Rectangular shape 600x450mm internal dimensions	2	Nos
7.5	Supplying and fixing C.I. cover without frame for manholes :		
7.5.1	455x610 mm rectangular C.I. cover (light duty) the weight of the cover to be not less than 23 kg.	1	each
7.6	Making soak pit 2.5 m diameter 3.0 metre deep with 45 x 45 cm dry brick honey comb shaft with bricks of class designation 75 and S.W. drain pipe 100 mm diameter, 1.8 m long complete as per standard design.		
7.6.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	1	each

Name of Work: Filling Sand Gravel of KVK internal Road

Sl. No	Description of Item	Quantity	Unit
1	Construction of granular sub-base by providing close graded Material conforming to specifications,brought from quarry, carriage of mixed material by tippers to work site, for all leads & lifts, spreading in uniform layers of specified thickness with manual means on prepared surface and compacting with 8 tonne roller to achieve the desired density, complete as per specifications and directions of Engineer-in-Charge. With material conforming to Grade-I (size range 75 mm to 0.075 mm) having CBR Value-30	52.00	Cum

PRICE BID

<u>SL.No</u>	<u>Name of the Work</u>	<u>Place of Work</u>	<u>Amount (Rs.)</u>
1.	Repairing of Cupboard Kitchen of Guest House of NRC on Pig, Guwahati	ICAR-NRC on Pig, Rani, Guwahati, Assam	
2.	Change of Wash Basin of Guest House of NRCP, Guwahati	ICAR-NRC on Pig, Rani, Guwahati, Assam	
3.	Roof Tin Replacement of Type II Quarters	ICAR-NRC on Pig, Rani, Guwahati, Assam	
4.	Roof Tin Replacement of Type IV Quarters	ICAR-NRC on Pig, Rani, Guwahati, Assam	
5.	Roof Tin Replacement of Type III Quarters	ICAR-NRC on Pig, Rani, Guwahati, Assam	
6.	Roof Tin Replacement of Type I Quarters	ICAR-NRC on Pig, Rani, Guwahati, Assam	
7.	Roof Tin Replacement of Power Control Room and Generator Room	ICAR-NRC on Pig, Rani, Guwahati, Assam	
8.	Extension of Power House	ICAR-NRC on Pig, Rani, Guwahati, Assam	
9.	Renovation of Toilet Block	ICAR-NRC on Pig, Rani, Guwahati, Assam	
10.	Providing and Fixing Partition of Microbiology room of Q.C Lab.	ICAR-NRC on Pig, Rani, Guwahati, Assam	
11.	Construction of Chainlink Fencing covering Pond Area	ICAR-NRC on Pig, Guwahati, Assam	
12.	Extension of Security Room	ICAR-NRC on Pig, Rani, Guwahati, Assam	
13.	Construction of Visitor Room	ICAR-NRC on Pig, Rani, Guwahati, Assam	
14.	Painting of KVK Quarters	KVK, Dudhnoi, Goalpara, Assam	
15.	Painting of KVK Administrative Building	KVK, Dudhnoi, Goalpara, Assam	
16.	Construction of Dung Pit for Quarantine Shed.	KVK, Dudhnoi, Goalpara, Assam	
17.	Sand Gravel of KVK Internal Roads	KVK, Dudhnoi, Goalpara, Assam	

Note:

1. Price is inclusive of all charges, taxes and duties. No escalation charges will be claimed at later stage.
2. The agency may visit the site prior quoting their rates for assessment of actual quantum/volume of work during official working hours (9.30 AM to 4.30 P.M).

Name of Agency/Contractor/Firm
Seal
Date