### अनुरक्ष एवं आभेगोत्रेकी इकाई, निदेशालय MAINTENANCE & ENGINEERING UNIT, DIRECTORATE भाकृअनुप- भारतीय कृषि अनुसंधान संस्थान ICAR-INDIAN AGRICULTURAL RESEARCH INSTITUTE नई दिल्लें -१२. NEW DELHI-12.

No. 17-200/17-18/ME Unit

Dated : 07-02-2019

### <u>ई- निविद</u> / e- Tender Notice

Online Quotation are hereby invited on behalf of the Director, IARI from the Contractors Registered with CPWD, MES, Railways, MCD, PWD or other Central/State Govt./Semi Govt. or <u>Specialized</u> <u>agencies</u>. The contractor must have valid IT-PAN/VAT/TIN and GST registration number and having experience of two similar nature of works in last three years for the work <u>Construction of Net House for the</u> <u>Division of Genetics at IARI</u>, New Delhi-12.

<u>EMD of Rs. 40,000/ (Rupees Forty Thousand Only) and Tender fee of Rs. 1000/- (Rs. One</u> <u>Thousand only)</u> should be in the form of D.D./Pay Order/Fixed Deposit Receipt/Bank Guarantee from commercial bank drawn in favour of "Director, IARI payable at New Delhi." The original EMD should be submitted to the Tender Inviting Authority on or before the last date and time of online bid submission. The details of D.D./Pay Order/Fixed Deposit Receipt/Bank Guarantee physically sent, should tally with the details available in the scan copy and the data entered during the online bid submission time otherwise the uploaded bid will be rejected.

The Online Tender Documents can also be viewed on the IARI Website www.iari.res.in. & www.eprocure.gov.in.

### **CRITICAL DATE:**

Bid Submission End Date Bid Opening Date (Technical) : 02.03.2019 (upto 2.30 pm) : 04.03.2019 (upto 3.00 pm)

Asstt. Admn. Officer (Works)

### No. 17-200/17-18/ME Unit Name of the work: Construction of Net House for the Division of Genetics at IARI, New Delhi-12.

S.No.	ESTIMATE/SCHED Particular	Qty	Unit	Rate	Amount
	Part " A" ( Civil Work)	<b>C</b> -J			
1.	P/f G. I. Pipes IS239 Class B anti corrosive, humidity resistant pipe with IS4736-1938/ IS065-1973 zinc coating, in built-up tubular trusses i/c cutting, hosting	6375.00	Kg		
	fixing in position, applying a coat of primer finishing with aluminum paint, welded and bolted i/c special				
2	shaped washers/ beading etc.	760.00	C		
2.	P/f 28 x 28 wire mesh of stainless steel (Grade 304) with necessary aluminum pressure plate, silicone solvent stainless steel screws, washers with other accessories, complete.	760.00	Sqm		
3.	P/f 6 mm thick multi walled UV stabilized polycarbonate sheet with aluminum, pressure plate, silicon sealant and other sealing between the joints to make it white fly proof and leak proof. technical	100.00	Sqm		
	specifications : Grade : UV stabilized both sides sheet structure : 8/3 Light Transmission : 80 % approx U value :m2 K Approx weight : 1300 GSM Fixing : Aluminum strip Aluminum profile :2 " inch				
4	Manufactures Warrantee : 10 years				
4.	Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 sqm on plan including disposal of excavated earth upto 50 m and lift upto 1.5 m,				
	disposed soil to be levelled and neatly dressed :				
	All kinds of soil	450.00	Sqm		
5.	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.	50.00	Cum		
6.	Excavating holes more than 0.10 cum & upto 0.5 cum including getting out the excavated soil, then returning the soil as required in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering etc, disposing of surplus excavated soil, as directed within a lead of 50 m and lift upto 1.5 m.				
	All kinds of soil	10	Each		
7.	Supplying, stacking and filling with good earth at site including carriage (earth measured in stacks will be reduced by 20% for payment).	112.00	cum		
8.	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 : 10 graded stone aggregate 40 mm nominal size)	18.00	cum		

9.       Providing and laying in position cement concrete of specific grade excluding the cost of centering and shuttering - All work up to plinth level :       Image: Concent concent concent concent on and plint level :         10.       Brick work with common burnt clay F.P.S. (non modular) bicks of class designation 7.5 in foundation and plint hits:       Image: Concent concent 1:4 (1 cement : 4 coarse sand)       24.00       cum         11.       12 mm cement plaster of mix :       Image: Concent concent 1:4 (1 cement : 4 coarse sand)       110.00       sqm         12.       Hinishing walls with Promium Acrylic Smooth exterior paint with Silicone additives of required shade :       Image: Concent conconcent concent concent concent concent conc				,	11
shuttering - All work on to plainth level :	9.	Providing and laying in position cement concrete of			
1:2:4 (1 Cenent : 2 coarse sand : 4 graded stone       12:00       cum         10.       Brick work with common harnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:					
aggregate 40 mm nominal size)					
10.       Brick work with common burnt clay F.P.S. (non modulation and plinth in:         Coment motrar 1-4 (1 cement: 4 coarse sand)       24.00       cum         11.       12 mm cement plaster of mix:		1:2:4 (1 Cement : 2 coarse sand : 4 graded stone	12.00	cum	
modular) bricks of class designation 7.5 in foundation					
and plinth in:     cum       Coment motrar 14 (1 cement: 4 coarse sand)     24.00     cum       11.     12 mm cement plaster of mix:     intervent of the second o	10.	Brick work with common burnt clay F.P.S. (non			
Cement motar 1-4 (1 cement: 4 coarse sand)         24.00         cum           11.         12 mm cement plaster of mix :         11           12 mm cement plaster of mix :         110.00         sqm           12.         Finishing walls with Prenium Acrylic Smooth exterior paint with Slicone additives of required shade :         sqm         sqm           13.         New work (Two or more coals applied @ 1.43 µr /10 sqm over and including priming coat of exterior primer applied @ 2.0 kg /10 sqm         85.00         sqm           13.         Cement concrete flooring 1:2.4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a flooting coat of next cement, including cement slowry, but excluding the cost of nosing of steps etc. complete.         110.00         sqm           40         mm thick with 20 mm nominal size, coment scores sand : 6 graded stone aggregate 20 mm nominal size, well rammed and consolidated and grouted with fine sand, including fining the top smooth.         110.00         sqm           15.         Pf of Security Accesses System at the main entry door equipped with punch card (30-35 cards) lockable facility system of repated make to ensure safety of Net House         101         Set door quipped with proceeding state of the same state of Net House           17.         Providing and fixing G.1. pipes complete with G.1. fitting sincluding trenching and rising d.1. pipes complete with G.1. fitting sincluding trenching and rescores state of Net House         100.00         metre           17.         Providin		modular) bricks of class designation 7.5 in foundation			
11.       12 mm cement plaster of mix :       14 (1 cement: 4 coarse sand)       110.00       sqm         12.       Finishing walls with Premium Acrytic Smooth exterior paint with Silicone additives of required shade :       sqm       sqm         13.       Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand)       85.00       sqm         13.       Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 gradel stone aggregate) finished with a floating coat of near cement, including cement stury, but excluding the coard of near cement, including cement stury, but excluding the coard of near cement, including cement stury, but excluding the coard of near cement, including cement stury, but excluding the coard of near coarse sand : 6 graded stone aggregate 20 wm nominal size stone coarse sand : 6 graded stone aggregate 20 wm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and groated with fine sand, including finishing the top smooth.       60.00       sqm         15.       Pri of Security Accesses System at the main entry dor equipped with punch card (30-35 cards) lockable facility system of reputed make to ensure safety of Net House       01       Set         16.       Providing and fixing GL pipes complete with GL fittings including fixing and tende to ensure safety of additive and suitable locking array equative (Screwed end) :       02       metre         17.       Providing and fixing gam metal gate valve with CL with C.U wheel of approved quality (screwed end) :       02       each         18.       Providing and fixing gam metal g		and plinth in:			
11.       12 mm cement plaster of mix :       14 (1 cement: 4 coarse sand)       110.00       sqm         12.       Finishing walls with Premium Acrytic Smooth exterior paint with Silicone additives of required shade :       sqm       sqm         13.       Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand)       85.00       sqm         13.       Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 gradel stone aggregate) finished with a floating coat of near cement, including cement stury, but excluding the coard of near cement, including cement stury, but excluding the coard of near cement, including cement stury, but excluding the coard of near cement, including cement stury, but excluding the coard of near coarse sand : 6 graded stone aggregate 20 wm nominal size stone coarse sand : 6 graded stone aggregate 20 wm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and groated with fine sand, including finishing the top smooth.       60.00       sqm         15.       Pri of Security Accesses System at the main entry dor equipped with punch card (30-35 cards) lockable facility system of reputed make to ensure safety of Net House       01       Set         16.       Providing and fixing GL pipes complete with GL fittings including fixing and tende to ensure safety of additive and suitable locking array equative (Screwed end) :       02       metre         17.       Providing and fixing gam metal gate valve with CL with C.U wheel of approved quality (screwed end) :       02       each         18.       Providing and fixing gam metal g		Cement mortar 1:4 (1 cement : 4 coarse sand)	24.00	cum	
1:4 (1 cencent: 4 coarse sund)       110.00       sqm         12.       Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade:	11.				
12.       Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade:       New work (Two or more coats applied @ 1.43 Itr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)       sqm         13.       Cement concrete Honoring 1:2-4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of next cement, including cement slury, but excluding the cost of nosing of steps etc. complete.       ssm         40       mum thick with 20 mm nominal size stone aggregate 20 mm nominal size stone aggregate 20 mm nominal size stone stury, well rammed and cossolidated and grouted with fine sand, including finishing the top out out with fine sand, including finishing the top smooth.       60.00       sqm         15.       Pr of of Security Accesses System at the main entry door equipped with punch card (30-35 cards) lockable facility system of reputed make to ensure safety of Net House       01       Set         16.       Providing and fixing GL pipes complete with GL fittings including trenching and effiling etc.       o2       each         17.       Providing and fixing gun metal gate valve with C.L. wheel of approved quality (screwed end):       02       each         18.       Providing and fixing set stury of the same and suitable locking array as a france (at all floor levels) polyethylene water storage tank, ISI : 12701 marked, with cover and suitable locking and regiment and making necessary holes for inlet, outlet and overflow pipes but whild the firings and the base support for tank, period the weided in built up sections, trusses and framed work, including and placing on t			110.00		
exterior paint with Silicone additives of required shade:	10		110.00	sqm	
shade:	12.				
New work (Two or more coats applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)         85.00         sqm           13.         Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate florinshed with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete.         81.00         sqm           40         mm thick with 20 mm nominal size stone aggregate 20 mm nominal size over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including finishing the top smooth.         60.00         sqm           15.         P/f of Security Accesses System at the main entry door equipped with punch card (30-35 cards) lockable facility system of reputed make to ensure safety of Net House         01         Set           16.         Providing and fixing G.1 pipes complete with G.L. fittings including trenching and refilling etc.         24.00         metre           20 mm dia nominal bore         24.00         metre         11           17.         Providing and fixing gun metal gate valve with C.L. wheel of approved quality (screwed end):         1000.00         litres polyethylene ware storage tank. ISI : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outter and overfrow pipes but without fittings and the base support for tank. per         1000.00         litres           19.         Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, incl		· · ·			
sqm over and including priming coal of exterior primer applied @ 2.20 kg/ 10 sqm)         85.00         sqm           13.         Cement concrete flooring 1:24 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coal of neat cement, including cement slurry, but excluding the cost of noxing of steps etc. complete.         110.00         sqm           40         mm thick with 20 mm nominal size stone aggregate 20 mm nominal size over 7 mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and gouted with fine sand, including finishing the top smooth.         60.00         sqm           15.         Pr of Security Accesses System at the main entry door equipped with punch card (30-35 cards) lockable facility system of reputed make to ensure safety of Net House         01         Set           16.         Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc.         30.00         metre           17.         Providing and fixing gun metal gate valve with C.I. wheel of approved guality (screwed end) :         1000.00         litres polyethylene water storage tank, ISI: 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outter and overfive pipes but without fittings and the base support for tank. per         300.00         kg arrangement and making necessary holes for inlet, outter and overfive work rivetud, builted of neuled in built system         300.00         kg arrangement and making necessary holes for inlet, outter and overfive work rivetud, builted in built system         300.00         kg arrangement and making n					
primer applied @ 2.20 kg/10 sqm)         85.00         sqm           13.         Cement concrete flooring 1:2:4 (1 cement : 2 coarse snal : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc.         100000         sqm           40         mm thick with 20 mm nominal size stone aggregate         60.00         sqm         sqm           14.         Making plinth protection 50 mm thick of cement concrete 1:35 (1 cement: 3 coarses sand : 6 graded stone aggregate 20 mm nominal size, well rammed and consolidated and grouted with fine sand, including finishing the top smooth.         sqm         sqm           15.         P/f of Security Accesses System at the main entry or wolfing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling rec.         01         Set           16.         Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling rec.         30.00         metre           17.         Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :         02         each           18.         Providing and fixing gun metal gate valve with C.I. with cover and suitable locking arrangement and making necessary holes for inlet, outter ad overflow pipes but without fittings and the base support for tank. per         300.00         kg up sections, trusses and framed work, including cutting, hoisting. Fixing in poxition and applying a priming coat of approved steel primer all complete.         01					
13.       Cement concrete Hooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete.       110.00         40       mm thick with 20 mm nominal size stone aggregate 20 mm nominal size) over 75mm thick of cement concrete 1:3:6 (1 cement: 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including finishing the top smooth.       60.00       sqm         15.       P/f of Security Accesses System at the main entry door equipped with punch card (30-35 cards) lockable facility system of reputed make to ensure safety of Net House       01       Set         16.       Providing and fixing G.I. pipes complete with G.I. fittings including frenching and refiling etc.       30.00       metre         17.       Providing and fixing unetal gate valve with C.I. wheel of approved quality (screwed end):       02       each         18.       Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end):       02       each         19.       Providing and pacing on terrace (at all floor levels)       1000.00       litres polytelylee water storage tank, IS1: 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outter and overflow pipes but without fittings and the base support for tank, per       300.00       kg         19.       Strutural steel work, riveeta, boletd or welded in built up s			95.00		
sand : 4 graded stone aggregate) finished with a       floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc.         40 mm thick with 20 mm nominal size stone aggregate       110.00       sqm         14.       Making plinth protection 50 mm thick of cement concrete 1:36 (1 cement: 3 coarse sand : 6 graded stone aggregate 20 mm nominal size, over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including finishing the top samoth.       60.00       sqm         15.       Pf of Security Accesses System at the main entry door equipped with punch card (30-35 cards) lockable facility system of reputed make to ensure safety of Net House       01       Set         16.       Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc.       24.00       metre         17.       Providing and fixing unetal gate valve with C.I. wheel of approved quality (screwed end) :       02       each         18.       Providing and fixing netrace (at all floor levels) polyethylene water storage tank, IS1 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank. per       300.00       kg         19.       Structural steel work, including cutting, holsing, fixing in position and applying a prived steel prived work for inlet, outlet and overflow pipes but without fittings and the base support for tank. per       300.00       kg         19.       Stru	12		85.00	sqm	
floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc.       including the cost of nosing of steps etc.         40 mm thick with 20 mm nominal size stone aggregate 20 mm nominal size stone concrete 1:3:6 (1 cement: 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including finishing the top smooth.       60.00       sqm         15.       Prof of Security Accesses System at the main entry door equipped with punch card (30-35 cards) lockable facility system of reputed make to ensure safety of Net House       01       Set         16.       Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc.       24.00       metre         20 mm dia nominal bore       24.00       metre       11.000.00       ittres         17.       Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end):       02       each       12         18.       Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank. per       300.00       kg         19.       Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank. per	13.				
but excluding the cost of nosing of steps etc.         complete.           40 mm thick with 20 mm nominal size stone aggregate         110.00         sqm           14.         Making plinth protection 50 mm thick of cement concrete 1:3:6 (1 cement: 3 coarse sand : 6 graded stone aggregate 20 mm nominal size, well rammed and consolidated and grouted with fine sand, including finishing the top smooth.         60.00         sqm           15.         Pf of Security Accesses System at the main entry door equipped with punch card (30-35 cards) lockable facility system of reputed make to ensure safety of Net House         01         Set           16.         Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc.         metre         24.00           17.         Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :         02         each           18.         Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :         02         each           19.         Structural steel work riveted, bolted or welded in built polyethylene water storage tank, ISI : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank, per         300.00         kg           19.         Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hosting, fixing in position and aplying a priming coat of approved steel primer all complete					
complete.       10.00         40 mm thick with 20 mm nominal size stone       110.00         aggregate       1110.00         14.       Making plinth protection 50 mm thick of cement       60.00         stone aggregate 20 mm nominal size) over 75mm       60.00         thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine       sqm         sand, including finishing the top       901         smooth.       917         15.       Prf of Security Accesses System at the main entry door equipped with punch card (30-35 cards) lockable facility system or reputed make to ensure safety of Net House       01         16.       Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refiling etc.       stone aggregate additional provide addition and refiling etc.         17.       Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end):       02       each         18.       Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank, per       300.00       kg         19.       Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutter, hoiting, no siting in position and applying a priming coat of approved steel primer all complete.       01					
40 mm thick with 20 mm nominal size stone aggregate       110.00       sqm         14.       Making plinth protection 50 mm thick of cement concrete 1:3:6 (1 cement: 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including finishing the top smooth.       60.00       sqm         15.       Prf of Security Accesses System at the main entry dor equipped with punch card (30-35 cards) lockable facility system of reputed make to ensure safety of Net House       01       Set         16.       Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc.       30.00       metre         17.       Providing and fixing gum metal gate valve with C.I. wheel of approved quality (screwed end) :       102       each         18.       Providing and fixing gum metal gate valve with C.I. wheel of approved quality (screwed end) :       1000.00       litres         18.       Providing and fixing gum metal gate valve with C.I. wheel of approved quality (screwed end) :       1000.00       litres         19.       Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hosting, fixing in position and applying a priming coat of approved steel primer all complete.       300.00       kg         20.       Prf Control panel for digital timer for irrigation system       01       Nes					
aggregate       -         14.       Making plinth protection 50 mm thick of cement concrete 1:35 (1 cement: 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including finishing the top smooth.       60.00       sqm         15.       P/f of Security Accesses System at the main entry door equipped with punch card (30-35 cards) lockable facility system of reputed make to ensure safety of Net House       01       Set         16.       Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc.       metre       24.00         17.       Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :       wethel       01         18.       Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank. per       300.00       kg         19.       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.       300.00       kg         20.       P/f Control panel for digital timer for irrigation system       01       Nos       ach			110.00	sam	
14.       Making plinth protection 50 mm thick of cement concrete 1:3:6 (1 cement: 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including finishing the top smooth.       sqm         15.       P/f of Security Accesses System at the main entry or equipped with punch card (30-35 cards) lockable facility system of reputed make to ensure safety of Net House       01       Set         16.       Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. External work       01       Set         17.       Poroiding and fixing G.I. pipes complete with G.I. fitting and refulling etc.       30.00       metre         18.       Providing and fixing numetal gate valve with C.I. wheel of approved guality (screwed end) :       1000.00       litres polyethylene water storage tank, ISI : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank. per       300.00       kg up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.       300.00       kg up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.         20.       P/f Control panel for digital timer for irrigation system       01       Nos			110.00	sqiii	
concrete 1:3:6 (1 cement: 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75mm thick bed of ryb prick ballaxt 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including finishing the top smooth.         15.       P/f of Security Accesses System at the main entry door equipped with punch card (30-35 cards) lockable facility system of reputed make to ensure safety of Net House       01       Set         16.       Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc.       metre       20         20 mm dia nominal bore       24.00       metre         17.       Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :       02       each         18.       Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank. per 19.       300.00       kg         19.       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.       300.00       kg         20.       P/f Control panel for digital timer for irrigation system       01       Nos       acach system	1.4		60.00	sam	
stone aggregate 20 mm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including finishing the top smooth.       01         15.       P/f of Security Accesses System at the main entry door equipped with punch card (30-35 cards) lockable facility system of reputed make to ensure safety of Net House       01       Set         16.       Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc.       metre       24.00         17.       Poroiding and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :       02       each         17.       Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank, per       300.00       kg         19.       Structural steel work riveted, bolted or welded in built up sections, riveses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.       300.00       kg         20.       P/f Control panel for digital timer for irrigation system       01       Nos         21.       Drip /Sprinkler system       01       Nos	14.		60.00	sqm	
thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including finishing the top smooth.       Image: Consolidated and grouted with fine sand, including finishing the top smooth.         15.       P/f of Security Accesses System at the main entry door equipped with punch card (30-35 cards) lockable facility system of reputed make to ensure safety of Net House       01       Set         16.       Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc.       External work       Image: Consolidate and corres (at all floor levels) polyethylene water storage tank, ISI : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank, per       300.00       kg         19.       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.       300.00       kg         20.       Pif Control panel for digital ti					
well rammed and consolidated and grouted with fine sand, including finishing the top smooth.       01       Set         15.       P/f of Security Accesses System at the main entry door equipped with punch card (30-35 cards) lockable facility system of reputed make to ensure safety of Net House       01       Set         16.       Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc.       metre         20 mm dia nominal bore       24.00       metre         17.       Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :       02       each         18.       Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS1 : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank. per       300.00       kg up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.       300.00       kg up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.       01       Nos         21.       Drip /Sprinkler irrigation system – By providing micro sprinkler isystem with 100 sprinkler       01       Nos					
sand, including finishing the top smooth.       sand, including finishing the top smooth.         15.       P/f of Security Accesses System at the main entry door equipped with punch card (30-35 cards) lockable facility system of reputed make to ensure safety of Net House       01         16.       Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc.       1         17.       Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :       1         17.       Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :       02         18.       Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank. per       300.00       kg         19.       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.       300.00       kg         20.       P/f Control panel for digital timer for irrigation system       01       Nos       a. Sprinkler system with 100 sprinkler					
smooth.       01         15.       P/f of Security Accesses System at the main entry door equipped with punch card (30-35 cards) lockable facility system of reputed make to ensure safety of Net House       01       Set         16.       Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc.       16       Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc.       16         20 mm dia nominal bore       24.00       metre         17.       Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :       02       each         18.       Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank. per       300.00       kg         19.       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.       300.00       kg         20.       P/f Control panel for digital timer for irrigation system       01       Nos         21.       Drip /Sprinkler system       By providing micro sprinkler system with 100 sprinkler       01       Nos					
15.       P/f of Security Accesses System at the main entry door equipped with punch card (30-35 cards) lockable facility system of reputed make to ensure safety of Net House       01       Set         16.       Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc.       24.00       metre         20 mm dia nominal bore       24.00       metre       30.00       metre         17.       Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :       02       each         18.       Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank. per       300.00       kg         19.       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.       01       Nos         20.       P/f Control panel for digital timer for irrigation system       01       Nos       a. Sprinkler system		• • •			
door equipped with punch card (30-35 cards) lockable facility system of reputed make to ensure safety of Net House <ul> <li>Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc.</li> <li>External work</li> <li>20 mm dia nominal bore</li> <li>20 mm dia nominal bore</li> <li>30.00 metre</li> </ul> 17.         Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : <ul> <li>15 mm noninal bore</li> <li>02 each</li> <li>15 mm noninal bore</li> <li>16.</li> <li>Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :</li> <li>15 mm noninal bore</li> <li>02 each</li> </ul> 18.         Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank. per             19.         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.         300.00         kg           20.         P/f Control panel for digital timer for irrigation system         01 <li>Nos</li> <li>a. Sprinkler system</li> <li>b. Sprinkler system with 100 sprinkler</li>	15		01	Sat	
facility system of reputed make to ensure safety of Net House       Image: Solution of the system of t	15.		01	361	
Net House       Image: Complete with G.I. fittings including trenching and refilling etc.         External work       Image: Complete with G.I. fittings including trenching and refilling etc.         External work       Image: Complete with C.I. wheel of approved quality (screwed end) :         17.       Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :         15 mm nominal bore       02         15 mm nominal bore       02         18.       Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank. per       1000.00         19.       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.       300.00       kg         20.       P/f Control panel for digital timer for irrigation system - By providing micro sprinkler system with 100 sprinkler       01       Nos					
16.       Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc.       If fittings including trenching and refilling etc.         External work       IS mm dia nominal bore       24.00       metre         20 mm dia nominal bore       30.00       metre         17.       Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :       02       each         18.       Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank. per       300.00       kg         19.       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.       300.00       kg         20.       P/f Control panel for digital timer for irrigation system       01       Nos         21.       Drip /Sprinkler system       01       Nos					
fittings including trenching and refilling etc.       including trenching and refilling etc.         External work       including trenching         15 mm dia nominal bore       24.00         20 mm dia nominal bore       30.00         17.       Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :         15 mm nominal bore       02         18.       Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank. per       1000.00         19.       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.       300.00       kg         20.       P/f Control panel for digital timer for irrigation system       01       Nos         21.       Drip /Sprinkler system with 100 sprinkler       01       Nos	16				
and refilling etc.       External work         15 mm dia nominal bore       24.00         20 mm dia nominal bore       30.00         17.       Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :         17.       Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank. per       1000.00       litres         19.       Structural steel work riveted, bolted or welded in built up sections, fixing in position and applying a priming coat of approved steel primer all complete.       300.00       kg         20.       P/f Control panel for digital timer for irrigation system       01       Nos         21.       Drip /Sprinkler system a.       01       Nos	10.				
External worknetre15 mm dia nominal bore24.00metre20 mm dia nominal bore30.00metre17.Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :0215 mm nominal bore02each18.Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank. per1000.0019.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.300.0020.P/f Control panel for digital timer for irrigation system0121.Drip /Sprinkler system a.01a.Sprinkler irrigation system – By providing micro sprinkler system with 100 sprinkler					
15 mm dia nominal bore       24.00       metre         20 mm dia nominal bore       30.00       metre         17.       Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :       02       each         18.       Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank. per       1000.00       litres         19.       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.       300.00       kg         20.       P/f Control panel for digital timer for irrigation system       01       Nos         21.       Drip /Sprinkler system a.       01       Nos					
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17.       Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :       02       each         15 mm nominal bore       02       each         18.       Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank. per       1000.00       litres         19.       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.       300.00       kg         20.       P/f Control panel for digital timer for irrigation system       01       Nos         21.       Drip /Sprinkler system a.       01       Nos					
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18.       Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank. per       1000.00       litres         19.       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.       300.00       kg         20.       P/f Control panel for digital timer for irrigation system       01       each         21.       Drip /Sprinkler system a.       Sprinkler irrigation system – By providing micro sprinkler system with 100 sprinkler       01       Nos			02		
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with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank. per       300.00       kg         19.       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.       300.00       kg         20.       P/f Control panel for digital timer for irrigation system       01       each         21.       Drip /Sprinkler system a. Sprinkler irrigation system – By providing micro sprinkler system with 100 sprinkler       01       Nos	18.		1000.00	litres	
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base support for tank. per	1				
19.       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.       300.00       kg         20.       P/f Control panel for digital timer for irrigation system       01       each         21.       Drip /Sprinkler system a.       Sprinkler irrigation system – By providing micro sprinkler system with 100 sprinkler       01       Nos					
up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.       01       each         20.       P/f Control panel for digital timer for irrigation system       01       each         21.       Drip /Sprinkler system a.       Sprinkler irrigation system – By providing micro sprinkler system with 100 sprinkler       01       Nos					
cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.       Image: cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.         20.       P/f Control panel for digital timer for irrigation system       01       each         21.       Drip /Sprinkler system <ul> <li>a.</li> <li>Sprinkler irrigation system – By providing micro sprinkler system with 100 sprinkler</li> <li>Disp /Sprinkler system with 100 sprinkler</li> </ul> 01     Nos	19.		300.00	kg	
priming coat of approved steel primer all complete.       01       each         20.       P/f Control panel for digital timer for irrigation system       01       each         21.       Drip /Sprinkler system       01       Nos         a.       Sprinkler irrigation system – By providing micro sprinkler system with 100 sprinkler       01       Nos	1				
20.       P/f Control panel for digital timer for irrigation system       01       each         21.       Drip /Sprinkler system a.       Sprinkler irrigation system – By providing micro sprinkler system with 100 sprinkler       01       Nos					
system     01     Nos       21.     Drip /Sprinkler system     01     Nos       a.     Sprinkler irrigation system – By providing micro sprinkler system with 100 sprinkler     01	-		~ 1		
21.     Drip /Sprinkler system     01     Nos       a.     Sprinkler irrigation system – By providing micro sprinkler system with 100 sprinkler     01     Nos	20.	· · · ·	01	each	
a. Sprinkler irrigation system – By providing micro sprinkler system with 100 sprinkler			<u>.</u>		
micro sprinkler system with 100 sprinkler	21.		01	Nos	
	1				
nozzles of discharge capacity //0 lakh	1				
		nozzles of discharge capacity 70 lakh			

					•
	hanging type with 16 mm dia ID LDP E				
	Black lateral pipes.				
	b. Drip irrigation system – By laying 16 mm LDP E Black lateral pipes with nozzles of				
	discharge capacity 2/4 UPH to from a grib of				
	$0.80 \text{ m} \times 0.50 \text{ m}$ with digital cyclic timer.				
	c. Head Unit – common for both drip and				
	sprinkler system with 1.5 hp pump, Disc				
	online fitter, PVC tank 1000 liters capacity,				
	PVC pipe and fittings, dial Type pressure				
	meter 10 bar (Glycerin) complete as per the				
22.	instructions of Engineer in –charge. P/f 600 mm (24") dia heavy duty exhaust fan ISI	05	each		
22.	marked with back cover and louvers on side wall as	05	each		
	per the instructions				
				I	
	Part " B" ( Electrical Work)				
23.	Point wiring in PVC conduit with modular type	16.00	Point		
	switch wiring for light point/ fan point / exhaust fan				
	point/ cell point with 1:5 sq. mm FR PVC insulted copper conductor single core cable in surface /				
	recessed PVC conduit, with modular switch, modular				
	switch, modular plate, suitable 01 box and earthling				
	the point with 1.5 sq. mm FR PVC insulted copper				
	conductor single core cable etc. as required.				
	(A) Group C				
24.	Power plug wiring in PVC conduit (2 x 4 sq. mm)	30.00	Meter		
	wiring for light / power plug wit 2 x 4 sq. mm FR PVC insulted copper conductor single core cable in				
	surface / recessed PVC conduit along with 1 Nos 4 sq.				
	mm FR PVC insulted copper conductor single core				
	cable for loop earthling as required				
25.	Power plug wiring in PVC conduit (4 x 4 sq. mm )	30.00	Meter		
	wiring for light / power plug wit 4 x 4 sq. mm FR				
	PVC insulted copper conductor single core cable in				
	surface / recessed PVC conduit along with 2 Nos 4 sq. mm FR PVC insulted copper conductor single core				
	cable for loop earthling as required				
26.	Wiring for circuit / sub main wiring along with earth				
	wire with the following sizes of PVC insulted copper				
	conductor single core cable in surface / recessed PVC				
	conduit as required	20.00			
A	$2 \times 2.5$ sq. mm + $1 \times 2.5$ sq. mm earth wire	20.00	Meter		
B C	2 x 6 sq. mm + 1 x 6 sq. mm earth wire 4 x 2.5 sq. mm + 2 x 2.5 sq. mm earth wire	20.00	Meter Meter		
27.	$4 \times 2.5$ sq. mm + $2 \times 2.5$ sq. mm earm wire Supplying and fixing of following sizes of PVC	30.00	Meter		
<i>∠</i> /.	conduit along with accessories in surface / recess i/c	50.00	IVICICI		
	cutting the well and making good the same in case of				
	recessed conduit as required.				
	32 mm				
28.	Supplying and fixing suitable size GI box with	16.00	Meter		
	modular plate and cover in front on surface or in				
	recess, i/c P/ f of 6 pit) 15/16 & 5/6 amps modular socket outlet and 15/16 amps modular switch,				
	connection, painting etc. as required.				
29.	Supplying and fixing 3 pin, 5 amp. ceiling rose on	04	Each		
	the existing junction box wooden block i/c connection	~ .			
	etc. as required.				
30.	Supplying and fixing call bell buzzer suitable for	01	Each		

	D.C. / A.C. single phase, 230 volts. complete as				
	required.				
31.	Supplying and fixing following way, single pole and				
	neutral, sheet steel, MCB distribution board, 240				
	volts, on surface/ recess, complete with tinned copper				
	bus bar, natural bus bas, earth bar, din bar, detachable				
	gland plate, interconnections, phosphatized and powder painted i/c earthling etc. as required. (But				
	without MCB/ RCCB / isolator)				
-	4 way, single door	02	Each		
32.		02			
32.	Supplying and fixing 5 amps to 32 amps rating, 240 volts, 'B' series, miniature circit" breaker suitable for	05	Each		
	lighting and other loads of following poles in the				
	existing MCB DB complete with connections, testing				
	and commissioning etc. as required.				
33.	Supplying and fixing 5 amps to 32 amps rating, 240				
001	volts, 'C' series, miniature circit" breaker suitable for				
	lighting and other loads of following poles in the				
	existing MCB DB complete with connections, testing				
	and commissioning etc. as required.				
а	Single Pole	03	Each		
b	Single Pole and neutral	01	Each		
34.	Supplying and fixing 20 amps, 240 Volts, SPN	03	Each		
	industrial type, socket outlet with 2 pole and earth,				
	metal enclosed plug top along with 20 amps 'C'				
	series, SP, MCB, in sheet steel enclosure, on surface				
	or in recess, with chained metal cover for the socket				
	out let and complete with connections, testing and				
25	commissioning etc. as required.	00			
35.	P/f Normal light 65 W Spiral CFL with weather proof	08	Each		
	fittings				
				Total=	
				I Utal=	

### Subject to the following terms & conditions:-

- 1. The work shall be executed as per CPWD specifications.
- 2. Income Tax, work Tax & work cess as per norms shall be recovered from the bill.
- 3. 1% water and electrical charges will be recovered from the bill if supplied by the Department.
- 4. The work shall start within 7 days from the date of award and complete within two months failing which a penalty @ 1% per day delay will be imposed on the bill amount maximum upto 10%.
- 5. GST will be paid extra as per norms of the Ministry of Finance.
- 6. All the material, laboures, T & P etc. required will be arranged by the firms itself.
- 7. The agency shall deposit security @ 5% of the sanctioned amount including EMD.
- 8. Any other item to be required at site to complete the work be executed as per lowest quitted rates.on DSR-2016.
- 9. The rates quoted shall remain valid for 180 days from the date of opening of quotations/tenders.
- 10. A running payment may be made of the successful completion of work for half or more amount of work.
- 11. The Director, IARI has the right to reject any or all the quotations/tenders without assigning any reason.

Name & Signature of the Agency:-....

*(Er.AMIT MITTAL)* Ex. Er., In-charge (Works)

## Special Instructions to the Contractors/Bidders for the e-submission of the bids online through this e-Procurement Portal

- 1. Bidder should do Online Enrolment in this Portal using the option Click Here to Enroll available in the Home Page. Then the Digital Signature enrollment has to be done with the e-token, after logging into the portal. The e-token may be obtained from one of the authorized Certifying Authorities such as eMudhraCA/GNFC/IDRBT/MtnlTrustline/SafeScrpt/TCS.
- 2. Bidder then logs into the portal giving user id / password chosen during enrolment.
- 3. The e-token that is registered should be used by the bidder and should not be misused by others.
- 4. DSC once mapped to an account cannot be remapped to any other account. It can only be Inactivated.
- 5. The Bidders can update well in advance, the documents such as certificates, purchase order details etc., under My Documents option and these can be selected as per tender requirements and then attached along with bid documents during bid submission. This will ensure lesser upload of bid documents.
- 6. After downloading / getting the tender schedules, the Bidder should go through them carefully and then submit the documents as per the tender document, otherwise, the bid will be rejected.
- 7. The BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant coulmns, else the bidder is liable to be rejected for that tender. Bidders are allowed to enter the Bidder Name and Values only.
- 8. If there are any clarifications, this may be obtained online through the e-Procurement Portal, or through the contact details given in the tender document. Bidder should take into account of the corrigendum published before submitting the bids online.
- 9. Bidder, in advance, should prepare the bid documents to be submitted as indicated in the tender schedule and they should be in PDF/XLS/RAR/DWF formats. If there is more than one document, they can be clubbed together
- 10. Bidder should arrage for the EMD as specified in the tender. The original should be posted/couriered/given in person to the Tender Inviting Authority, within the bid submission date and time for the tender
- 11. The bidder reads the terms and conditions and accepts the same to proceed further to submit the bids.
- 12. The bidder has to submit the tender document(s) online well in advance before the prescribed time to avoid any delay or problem during the bid submission process.
- 13. There is no limit on the size of the file uploaded at the server end. However, the upload is decided on the Memory available at the Client System as well as the Network bandwidth available at the client side at that point of time. In order to reduce the file size, bidders are suggested to scan the documents in 75-100 DPI so that the clarity is maintained and also the size of file also gets reduced. This will help in quick uploading even at very low bandwidth speeds.
- 14. It is important to note that, the bidder has to Click on the Freeze Bid Button, to ensure that he/she completes the Bid Submission Process. Bids Which are not Frozen are considered as Incomplete/Invalid bids and are not considered for evaluation purposes.
- 15. In case of Offline payments, the details of the Earnest Money Deposit(EMD) document submitted physically to the Department and the scanned copies furnished at the time of bid submission online should be the same otherwise the Tender will be summarily rejected.
- 16. The Tender Inviting Authority (TIA) will not be held responsible for any sort of delay or the difficulties faced during the submission of bids online by the bidders due to local issues.
- 17. The bidder may submit the bid documents online mode only, through this portal. Offline documents will not be handled through this system.
- 18. At the time of freezing the bid, the e-Procurement system will give a successful bid updation message after uploading all the bid documents submitted and then a bid summary will be shown with the bid no, date & time of submission of the bid with all other relevant details. The documents submitted by the bidders will be digitally signed using the e-token of the bidder and then submitted.

- 19. After the bid submission, the bid summary has to be printed and kept as an acknowledgement as a token of the submission of the bid. The bid summary will act as a proof of bid submission for a tender floated and will also act as an entry point to participate in the bid opening event.
- 20. Successful bid submission from the system means, the bids as uploaded by the bidder is received and stored in the system. System does not certify for its correctness.
- 21. The bidder should see that the bid documents submitted should be free from virus and if the documents could not be opened, due to virus, during tender opening, the bid is liable to be rejected.
- 22. The time that is displayed from the server clock at the top of the tender Portal, will be valid for all actions of requesting bid submission, bid opening etc., in the e-Procurement portal. The Time followed in this portal is as per Indian Standard Time (IST) which is GMT+5:30. The bidders should adhere to this time during bid submission.
- 23. All the data being entered by the bidders would be encrypted at the client end, and the software uses PKI encryption techniques to ensure the secrecy of the data. The data entered will not be viewable by unauthorized persons during bid submission and not viewable by any one until the time of bid opening. Overall, the submitted bid documents become readable only after the tender opening by the authorized individual.
- 24. During transamission of bid document, the confidentiality of the bids is maintained since the data is transferred over secured Socket Layer(SSL) with 256 bit encryption technology. Data encryption of sensitive fields is also done.
- 25. The bidders are requested to submit the bids through online eProcurement system to the TIA well before the bid submission end date and time (as per Server System Clock.

# List of Documents to be scanned and uploaded within the period of bid submission & Special Conditions:

- 1. Quotation should be submitted in two bid system i.e. technical bid and price bid. Price bid will be opened of those firms who had been technically qualified.
- 2. The firm should have minimum experience of 5 years for construction of Screen House/ hi-Tech. Green House/ Polycarbonate house- (Documentary Evidence should be enclosed).
- 3. Turnover of the firm should be minimum rupees 2 crore anunally per year for the last 3 years (2015-16, 2016-17, 2017-18) (Proof should be enclosed).
- The firm should have executed at least two orders of Rs. 16 lakh each or three orders of Rs.
   12 Lakh each in the last three years for the construction of screen House/Hi-Tech Green House/ Polycarbonate House.
- 5. The firm Must have ISO certificate.
- 6. TIN/PAN/Income tax-latest return to be attached
- 7. Sample must be submitted before technical bid opening date.
- 8. Certificate of registration of GST, Sales Tax/VAT & acknowledgement of up to date GST filed return
- 9. Tender fee & Ernest Money Deposit

### MAINTENANCE & ENGINEERING UNIT ICAR-INDIAN AGRICULTURAL RESEARCH INSTITUTE NEW DELHI-12.

### No. 08-40/18-19/ME Unit

Dated : ...../2019

### Prescribed format of receipt of deposition of original EMD/Tender Fee along with NIT:-

Receipt of deposition of original EMD (Receipt No.....)

- 1. Name of work.....
- 2. NIT No.....
- 3. Estimated Cost.....
- 4. Amount of Earnest money deposit.....
- 5. Last date of submission of bid.....
- 6. Agency Name .....
- 7. EMD No. & Date .....
- 8. EMD Amount & Last Date .....
- 9. TENDER Cost .....
- 10. Fee No. & Date .....

(Tender Cell, ME Unit, IARI within the Period of bid submission. (The EMD document shall only be issued from the place in which the office of receiving division office is situated.) The EMD receiving Executive Engineer shall issue a receipt of deposition of earnest money deposit to the bidder in a prescribed format (enclosed) uploaded by tender inviting EE/AE in the NIQ/NIT.)

This receipt shall also be uploaded to the e-tendering website by the intending bidder upto the specified bid submission date and time.

Tender Cell,

**ME Unit** 

### **<u>CERTIFICATE TO BE SIGNED BY THE TENDERER</u>**

### <u>CERTIFICATE</u>

It is certified that I have read and understood and will comply with all instructions contained in Terms & conditions of this tender documents. All pages submitted with this tender documents from page \_\_\_\_\_\_ to \_\_\_\_\_ have been filled properly and signed with seal of the firm/company.

Signature of tenderer:				
Name	Name in block letters:			
Name of firm:				
Full a	address:			
•				
i)	Telephone No			
ii)	Mobile No			
iii)	Fax No			
	Email id			
v)	Website			

Signature of Tenderer with office seal