



**NATIONAL BANK FOR AGRICULTURE  
AND RURAL DEVELOPMENT**

# **Part – II**

# **Financial Bid Document For**

External painting and repair of NABARD Officers' Quarters at NGHC, Khelgaon, Ranchi



**NABARD**

**Department of Premises, Security and Procurement**  
**NATIONAL BANK FOR AGRICULTURE AND RURAL DEVELOPMENT**  
**JHARKHAND REGIONAL OFFICE**  
**RANCHI**

## Financial Bid

### Tender for External painting and repair of Officers' Quarters at NGHC, Khelgaon, Ranchi

1. The tenderer will produce and get the samples of painting and other repair material approved by the Bank before use in the work.
2. Tenderers must include in their rates GST and any other tax and duty or other levy levied by the Central Government or any State Government or Local authority, if applicable. No claim in respect of GST or other tax duty or levy shall be entertained by the Employer.
3. The quoted rates shall be inclusive of the cost of removing unwanted paint marks, stains, removal of all debris and waste material including disposal of building rubbish, etc. as per local municipal rules.

Sl. No.	Description	Unit	Approx. Quantity	Rate per unit (Rs.) in figures and in words	Amount (Rs.)
	A completion schedule in the form of a bar chart along with the measurement of quantities will be submitted for approval before commencing actual work on site, within 7 days from the work order.	Each	Lump sum		
<b>A</b>	<b>Preparatory works</b>				
A.1	Barricading: Providing barricade along the demarked periphery of site where any kind of man-movement is anticipated using MS pipes/posts and suitable sheets upto 1.8 m height temporarily with all warning signs and removing the same after the completion of job. Complete including all necessary fitting as per the requirements of the site.	RM	150		
A.2	Safety Net -- Providing and erecting the Safety nets above all those areas where any kind of man-movement is anticipated. The safety net shall be made up of minimum 10 mm dia nylon ropes spaced not greater than 75 mm apart. The net shall be tied in such a way that no area is left out at the edges as well as at the overlap portions to prevent the debris falling on ground during progress of work and keeping the same in position during the entire period of work. The net shall be	Sq M	75		

Seal and Signature of the contractor :

Sl. No.	Description	Unit	Approx. Quantity	Rate per unit (Rs.) in figures and in words	Amount (Rs.)
	covered with the fishermen net so as not to allow any particles through the same. The fishermen net shall be maintained from time to time, by replacing the damaged portion. The same shall also be cleaned at regular interval so as not to accumulate the debris.				
A.3	Providing and fixing double scaffolding system (cup lock type) on the exterior side of building/structure, upto 25 metre height, above ground level, including additional rows of scaffolding in stepped manner as per requirement of site, made with 40mm dia M.S. tube, placed 1.5 metre centre to centre, horizontal & vertical tubes joint with cup & lock system with M.S. Tubes, M.S. tube chalis, M.S. clamps and staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for execution of work of cleaning and/ or pointing and/ or applying chemical and removing it thereafter. The scaffolding system shall be stiffened with bracings, runners, connecting with the building etc, wherever required, if feasible, for inspection of work at required locations with essential safety features for the workmen etc., complete as per directions and approval of Engineer-in-charge. Note:- (1) The elevational area of the scaffolding shall be measured for payment purpose. (2) The payment will be made once only for execution of all items for such works.	Sq M	500		
<b>B</b>	<b>Protection Work</b>				
B.1	'Providing and erecting steel props (upto 3 M height, braced at centre and supporting a continuous 2" x 3" wooden runner, resting on wedge and block minimum capacity 3 Ton) to support the structure provisionally during repair and jacketing etc. and maintaining them in position till required as per the requirement of the site.	Each	5		

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Sl. No.	Description	Unit	Approx. Quantity	Rate per unit (Rs.) in figures and in words	Amount (Rs.)
B.2	Protection works to Switch boards, windows / glass panes etc using 6 mm thick plywood wherever required.	Sq M	50		
B.3	Covering the existing flooring with tarpualine sheet before dismantling/ exposing the column, removing the same after repair and plaster, painting work etc., & polishing the floor thereafter to the satisfaction of Bank's Official.	Sq M	5		
B.4	Protection works to large size electrical equipment, meters etc using suitable plastic cover, tying and securing all complete at all floor levels.	Each	10		
<b>C</b>	<b>Retrofitting Works</b>				
C.1	<b>Chipping of concrete</b> -- Identifying and marking carefully the damaged reinforced concrete by tapping with light hammer and chipping the same with chisel after demarking. Note - Mechanical breaker shall not be used.	Sq M	20		
C.2	<b>Injection Grouting:</b> Providing and applying injection grouting through the nozzles provided into the cracks/honeycombed areas by suitable grouting pump under pressure till the refusal including all labour, supervision, tools and tackles and transportation etc., complete as per CPWD specification.				
a	Cement slurry mixed with non-shrink additive like MasterFlow 150 of BASF / Cebex 100 of Fosroc / Intraplast EP of Sika or equivalent. <b>- For water tank walls and slab</b>	Each	10		
B	Low viscous (200 CPS) Epoxy Resin like BASF MasterInject 1315/ Nitofil UR63 of Fosroc / Dr Fixit Plain Injection or	Each	10		

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Sl. No.	Description	Unit	Approx. Quantity	Rate per unit (Rs.) in figures and in words	Amount (Rs.)
	equivalent material <b>For RCC columns / beams</b>				
c	Readymade high strength, non-shrink <b>cementitious grout</b> like MasterFlow 915 or equivalent material. <b>For other RCC areas</b>	Each	10		
C.3	<b>Removal of Rust</b> --Providing & Applying approved Rust remover to the cleaned reinforcement bars & allowing it to react for specified time and cleaning the reinforcement of total rust by tapping or using mechanical wire brush or any other suitable way including from behind and around the reinforcement bars to give it a totally rust free finished steel surface using suitable tools and equipment inclusive of Material, Manpower and Equipment. Make - Sunanada or equivalent ( Mode of measurement--concrete surface area with exposed reinforcement)	Sq M	20		
C.4	<b>Steel reinforcement</b> using TMT bars for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete for column and slab.	Kg	20		
C.5	<b>Tack welding</b> the new rebars to existing new rebars with minimum 4" lap (No. of tack weld shall be counted)	Each	10		
C.6	<b>Passivator coat on reinforcement</b> -- Providing and applying the one component, Polymer modified, cementitious anti-corrosive primer (having the technical parameters mentioned in material specifications) formulated to provide dual protection of a polymeric barrier and an integral corrosion-inhibiting system, to the existing steel and additional steel provided before patching of damaged areas, using suitable tools and equipment	Sq M	20		

Seal and Signature of the contractor :

Sl. No.	Description	Unit	Approx. Quantity	Rate per unit (Rs.) in figures and in words	Amount (Rs.)
	inclusive of Material, Manpower and Equipment BASF MasterEmaco P130 / Fosroc Nitoprime Zincrich / Sika Rustoff 100 or other equivalent (Mode of measurement--concrete surface area with exposed reinforcement)				
C.7	<b>Polymer Modified Mortar (PMM) treatment-- 25 mm</b> Providing and Repairing the damaged concrete portion with single component, fibre reinforced, dual shrinkage-compensated, thixotropic, cementitious patch repair mortar (having the technical parameters mentioned in material specifications) capable of applying 25mm thick in single layer initially by hand and finishing with trowel carefully compacting the same around the rebars and finishing to bring it in line with existing concrete surface with an average thickness of 25mm inclusive of Manpower, Material and Equipment MasterEmaco S348 of BASF / Renderoc HB-60 of Fosroc / Sikadur 41 of Sika or equivalent	Sq M	20		
C.8	Providing and application of <b>bond coat</b> on the concrete surface by mixing high dispersion SBR latex like MasterEmaco SBR2 of BASF with white cement in the ratio of 2:3. The mixing should be done to a lump free consistency for the bond coat and the screed / mortar should be applied once the bond coat is tacky. MasterEmaco SBR 2 of BASF or Nitobond SBR (Latex) of Fosroc or equivalent	Sq M	5		
C.9	<b>Micro Concrete</b> -- Providing and laying of prepacked dual shrinkage compensated polymer modified micro-concrete like MasterEmaco S346 of BASF/Renderoc LA 55 of Fosroc/ SikaRep Microcrete-4 of Sika or equivalent material. Pouring in narrow locations. (Rate INCLUDES the	Kg	250		

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Sl. No.	Description	Unit	Approx. Quantity	Rate per unit (Rs.) in figures and in words	Amount (Rs.)
	formwork. Measurement on the basis of actual consumption of micro concrete)				
C.10	Providing new RCC chajjah of size matching the existng size and design, using M-20 grade concrete and reinforcement at 10 mm dia @ 150 c/c both ways, including formwork all complete	Sq M	3.6		
<b>D</b>	<b>Plaster Repair</b>				
D.1	<b>Crack filling in plaster</b> -- Open up all visible cracks in the plaster, in a V- groove fashion using an electric cutter machine. Fill up these cracks with a paste of very fine quartz sand mixed with, cement and polymer in ratio- 1(polymer):5(cement):15(sand) Finish the same so as to ensure that the filled crack matches the level of the plaster. Recommended Brand : Asian.	Sq M	20		
D.2	<b>Removal of external plaster from Column, beams and walls &amp; redoing it (Removing &amp; redoing external plaster)</b> Identifying loose plaster by tapping and carefully, breaking and removing damaged plaster of external facade of bldg by chiselling including any other finishing layer including removing loose material etc. of any thickness at any / all level with help of small chisel and hammer weighing not more than 5 pounds, lowering down debris, stacking and carting away the same from the site and disposing the same etc. complete and providing external cement plaster of thickness 12mm to 20 mm using cement and graded, processed, silt free & clay free sand in ratio 1:4, finishing etc. Plaster in patches of area 2.5 sqm and under will be done by cutting the patch in proper shape, raking out joints and preparing plastering the wall surface with white cement based polymer modified self curing mortar, including disposal of rubbish, all complete.	Sq M	250		

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Sl. No.	Description	Unit	Approx. Quantity	Rate per unit (Rs.) in figures and in words	Amount (Rs.)
D.3	<b>Internal Plaster (Removing &amp; redoing internal plaster)</b> Identifying loose plaster by tapping and carefully, breaking and removing damaged plaster of external facade of bldg by chiselling including any other finishing layer including removing loose material etc. of any thickness at any / all level with help of small chisel and hammer weighing not more than 5 pounds and as directed, lowering down debris, stacking and carting away the same from the site and disposing the same etc. complete and providing internal plaster in patches of area 2.5 sqm and under, including cutting the patch in proper shape, raking out joints and preparing plastering the wall surface with white cement based polymer modified self curing mortar, including disposal of rubbish, all complete including finishing with POP	Sq M	25		
D.4	Providing and Applying 2 or more coats of oil bound distemper paint of Asian or equivalent in Berger or nerolac on wall and ceiling as per design and approved shade by the Bank officials. Rate to include preparing the surface, applying one coat of primer and touch up putty for levelling, all jambs, trims, edges, grooves, plywood etc. complete. The existing surface to be prepared after scrapping the existing paint and disposing the waste material. The rate is inclusive of materials, labour, transpoartion, scaffolding, taxes etc.	Sq M	25		
<b>E</b>	<b>Plumbing</b>				
E.1	Dismantling PVC pipes from walls / trenches (including excavation and refilling trenches if required) after taking out the pipes, manually including stacking of pipes at site within 50 metre lead as per site requirement.	RM	40		

Seal and Signature of the contractor :



Sl. No.	Description	Unit	Approx. Quantity	Rate per unit (Rs.) in figures and in words	Amount (Rs.)
E.2	Supply and fix in position ISI Marked PVC soil, waste and vent pipes all complete for:				
a	75 mm dia	RM	20		
b	110 mm dia	RM	20		
<b>F</b>	<b>Misc Repairs</b>				
F.1	Repairs to PCC waterproofing over chajjahs by removing old concrete and then relaying the same with new PCC 1:2:4, 40 mm thick complete	Sq M	10		
<b>G</b>	<b>Painting Work</b>				
G.1	Finishing walls with 100% Premium acrylic emulsion paint having VOC less than 50 gm/litre and UV resistance as per IS 15489:2004, Alkali & fungal resistance, dirt resistance exterior paint of required shade (Company Depot Tinted) with silicon additives. Old work (Two or more coats applied @ 1.43 litre/ 10 sqm. Over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm. sqm 146.20	Sq M	6750		
G.2	Finishing walls with textured exterior paint of required shade : Old work (Two or more coats on existing cement paint surface applied @ 3.28 ltr/10 sqm.	Sq M	200		
G.3	<b>Enamel paint for grill:</b> providing and applying two or more coats of synthetic enamel paint of approved brand and manufacture of required colour to give an even shade of Asian or equivalent in Berger or nerolac for already painted grill, baluster etc to give an even surface after cleaning the existing surface for dirt,dist or any foreign matter. The rate to include preparing the surface, applying primer etc., Two or more coats over an under coat of suitable shade with ordinary paint of approved brand and manufacture . The surface should be a smooth dry and matt surface. The rate is including cost of materials,labour etc to complete the	Sq M	2500		

Seal and Signature of the contractor :

<b>Sl. No.</b>	<b>Description</b>	<b>Unit</b>	<b>Approx. Quantity</b>	<b>Rate per unit (Rs.) in figures and in words</b>	<b>Amount (Rs.)</b>
	work. as per specifications. The measurements will be considered for length and breadth for both ways. The coefficient for one side will be 0.5.				
				<b>Total Amount</b>	
	<b>Total Amount in words</b>				

### **Declaration**

I/We have read and understood all instructions/conditions and I have taken into account the above instructions/conditions while quoting the rates.

Seal and Signature of the contractor :

Place:

Date:

Seal and Signature of the contractor :