Bill of Quantities (BOQ)

Construction of Covered Hall at Dhangadi DCS, Kailali

IFB No.: 312111/NEA/BPICP/NCB/WORKS-01/2083/084

Provisional Sum					
SL. No.	**Item Description**	**Unit**	**Quantity**	**Unit Rate (NPR)**	**Amount (NPR)**
PS.1	Provisional Sum (Insurance, Fees for Bank Guarantee, Electrical items and other accessories)	PS	1.00	3,00,000.00 Three lakh rupees only.	3,00,000.00 Three lakh rupees only.
	Total provisional sums				3,00,000.00 Three lakh rupees only.

Construction work **CPV: 45000000-7 - Construction work**						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.1	EARTH WORKS>SITE CLEARANCE: Clearing and grubbing the site for construction by removing 150mm thick top soil including bushes, small trees, leveling of undulated ground, shorting and stacking/storing selected top soil for reuse in landscaping and other works all complete as per drawings, specifications and instructions of the Engineer.	Sq.M.	357.00			
1.2	EARTH WORKS>EARTHWORK IN EXCAVATION:Earth work in excavation for Raft/foundations, pipe/conduit trenches, wall foundation and all underground structures from ground level to bottom of footings and where required as per drawing by Manual Excavation over areas including providing required slopes including rehandling, transporting, royalties, loading at all levels, depths and height all complete as directed, all leads and lifts, incidentals, etc. complete. Excavation shall be payable only for vertical cut up to the outer edge of foundation lean concrete as indicated on drawings through out the pit depths. Cost of extra excavation required for working space, supporting side shuttering of foundations and retaining walls and that required for making slopes for stability of excavation shall be deemed to be included in the rate quoted.	Cu.M.	94.80			

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1.3	EARTH WORKS>EARTH BACK FILLING BY EXCAVATED SOIL :Back filling in foundation, floors and sides of foundation with approved soil obtained from the excavation at site and stacked at site in layer not exceeding 15 cm thick (compacted thickness) including transportation of soil, spreading in required line to achive 95% compactation and level, sprinkling water, ramming, compacting with mechanical rammers, testing, etc., all complete as per drawing, specification and instructions of the Engineer.	Cu.M.	126.82			
1.4	EARTH WORKS>EARTH BACK FILLING BY SOIL TAKEN FROM OUT OF SITE: Soil taken from out of site for back filling stacked at site in layer not exceeding 15 cm thick (compacted thickness) including transportation of soil , spreading in required line to achieve 95% compaction and level, sprinkling water, ramming, compacting with mechanical rammers, testing, etc.., all complete as per drawing, specification and instructions of the Engineer.	Cu.M.	32.02			
1.5	EARTH WORKS>BOULDER SOLING :Providing and laying 200mm thick uncoursed hand packed Dry Rubble Stone soling in foundation, under floor plinth, and for site development work, 100mm thick in Apron and 50mm pebbles for drain & walk way with out any special dressing of stone including filling interstices with suitable quarry waste or stone chips or quarry sand, watering, compacting using appropriate mechanical compaction means with all contractors materials, handling, placing etc. all complete as per drawings, specifications and instruction of the Engineer.	Cu.M.	6.73			
1.6	EARTH WORKS>FLAT BRICK SOLING: Providing and laying flat dry brick soling under foundation beam and foundation wall including sand blinding to fill gap over the properly rammed/compacted surface , should be checked levels of varius piont before laying the brick, all complete as per instruction of the engineer & specification.	Sq.M.	256.38			

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SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.7	CONCRETE WORKS>PLAIN CEMENT CONCRETE, P.C.C (1:3:6): Providing and laying machine or hand mixed Plain Cement Concrete of nominal mix 1:3:6 (1 cement : 3 sand : 6 coarse aggregate) for leveling course in foundations and floor of building, Apron, pathway, etc in all level with stone aggregate of size not more than 25 mm of approved quality including formwork wherever necessary, dewatering, batching, mixing, transporting, placing, compacting, curing, including all lead and lift, etc. all complete as per drawings, specifications and the instructions of the Engineer.	Cu.M.	6.11			
1.8	CONCRETE WORKS>P.C.C. FOR R.C.C. WORKS: Providing and laying in position volume batching & mixing machine vibrated mix cement concrete work of mix 1:1.5:3 (1 Cement:1.5 sand:3 aggregate) with 20 mm and down graded machine crushed stone aggregate using OPC 43 grade cement with in various locations and heights including transportation of concrete to site of placing, compaction, finished to required line and level, protection curing, and testing of work cube strength etc. all complete as per drawings, specifications and the instructions of the Engineer, but excluding the cost of centering, shuttering, and reinforcement.	Cu.M.	46.33			
1.9	STEEL REINFORCEMENT : Providing and fixing in position Fe 500 steel reinforcement of various diameter confirming to relevant IS code in R.C.C. works including straightening, cutting, bending, binding with 20 SWG annealed wire for tying the reinforcement bars at each junctions (binding wire shall not be measured separately) including all waste and cut pieces, provision for adequate numbers of spacers, chairs, providing and placing cement mortar (1:1) cover blocks to keep the bars in intended position at all levels all complete as per drawings, specifications and instructions of the Engineer.	MT	5.48			

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SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.10	FORM WORKS : Supplying and laying centering, shuttering of various pattern formworks with 19/12 mm thick water proof ply wood & steel adjustable props for all kinds of RCC works for foundations, columns, shear walls, beams, slab, staircase, lintel, sill, pergola, including nails, propping scaffolding, staging, supporting and bracing in proper lines and level, sealing the joints with heavy duty brown self adhesive tape, aligning to line and levels including Ties, PVC Spacer, Providing openings/ cutouts/ pockets, applying deshuttering chemical, deshuttering as approved by the Engineer etc., complete at all levels as per drawing, specifications and instructions of the Engineer.	Sq.M.	159.85			
1.11	BRICK MASONRY : Providing and laying first class chimney fired half, one or more brick thick wall in cement mortar 1:6 (1 cement : 6 coarse sand) in foundation up to plinth, apron, superstructure and other specified places in all heights and level including the cost of single or multi stage scaffolding, soaking bricks, curing, raking joints, provision for recesses, openings, toothing etc., all complete as per drawing, specifications and instructions of the Engineer. "	Cu.M.	25.80			
1.12	DOORS AND WINDOW WORKS>ALUMINIUM DOOR WITH SHUTTER : Natural Anodised/ Black Anodised/White Powder Coated Profiles. 100 Series Aluminium Doors Including Door Closer, American Handle, Stopper, Aldrop, Door Lock, Rubber, Brush, Gaskets & Necessary Hardware etc (Frame - 101x45x1.5, Palla 83x44x1.2) (5mm A1, Composite/5mm Clear Glass/ 8 mm Nepal Board)	Sq.M.	9.00			
1.13	DOORS AND WINDOW WORKS>2 PANNEL SLIDING WINDOWS: Natural Anodised/ Black Anodised/White Powder Coated Profiles. 100 Series Aluminium Windows Including, Auto Lock, Roller Brush, S.S Mosquito Net, Knobs, Gasket & Necessary Hardware etc (5mm clear/colour Glass) All Complete	Sq.M.	10.80			

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SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
1.14	DOORS AND WINDOW WORKS>FIXED WINDOW : Natural Anodised/ Black Anodised/White Powder Coated Profiles. Frame of Size (101*45*1.2) with fixed 5mm glass and all other necessary hardware gaskets, brush and rubber	Sq.M.	14.40			
1.15	CEMENT CONCRETE FLOORING: Providing, laying in required line, level and pattern 38 mm thick IPS floor finish with cement concrete of mix 1:2:4 (1 cement : 2 Sand : 4 Crushed stone attregate 12mm and down grade) laid in alternate panel with finishing with neat cement paste (1:2 cement sand) for smooth surface, including mixing laying in required slope, intrigal finishing using appropriate power trowelling equipment, etc. all complete as per drawing, specification and instructions of the Engineer.	Sq.M.	250.01			
1.16	PLASTERING/ WALL FINISHING WORKS : Providing and applying at all levels and shape 12.5 mm thick cement plaster in building inside in specified cement mortar in 1:6 (1 cement : 6 coarse sand) under coat in all surface at all height including mixing mortar, laying in perfect line, level and plumb and finishing in regular and even surface including all necessary single or multi-stage scaffolding, providing and fixing 200 mm wide 24 gauge GI Chicken wire mesh at junction of R.C.C. and masonry, providing and fixing G.I. corner beads (in all edges of plaster, free standing (isolated) columns, column projection), making grooves and recesses, throating, dusting, dripping, wetting, curing, protection, etc., all complete as per drawing , specification and instruction of the Engineer. [Rate shall also include for providing drips band, moulds, groove, chicken wire mesh at junction of RCC and masonry, etc., to complete the works at any heights].	Sq.M.	231.21			

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SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
1.17	PAINTING WORKS>DISTEMPER PAINT : Providing and applying washable distemper paint over a coat of primer of approved manufacturer as per manufacturer's specifications to the surface of	Sq.M.	231.21			

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	wall, ceiling, beams columns, canopies, staircase, lobbies etc., all complete as per drawings, specifications and instruction. The rates shall include for surface preparation, scaffolding etc., all complete as per the manufacturer's recommendations and as approved by the Engineer. Contractors need to submit all the names of equivalent vendor's list if it is other than the name mentioned above in their Bid submission.					
1.18	METAL WORKS FOR TRUSS: Providing and fixing two Channel section column post fixed with batten plates and connected to gusset plate @ bottom providing appropiriate anchorage rod to the concrete with nut bolt, truss made from required ISNB sections having top and bottom chords connected by required inclined and vertical struts members positioned on constructed metal column post with the support of designed base plates & stiffners and should be properly welded. Purlin member of required ISB size should be connected by nut and bolt with the help of clit on the truss and plates on the purlin end. all truss should be tied up along the perimeter by using desigend beam member etc., made with required grade mild steel tubes and mild steel sections of required sizes, including hoisting, fixing in position with MS bed plates, shoe angles, anchor bolts etc., and concrete grouting, concreting nut bolts, fabrication, fixing and treated with two coats of anticorrosive paints all complete as per drawings, specifications and instructions of the Engineer. Rate shall include preparing shop drawings, obtaining Engineer's or Client's approval, supplying, fabricating, delivering at site, hoisting and fixing in position, temporary staging, preparation of surface, applying Zinc chromate/Phosphate primer of one coat before and one coat after erection including two coats of synthetic enamel paint of approved make and color etc. Also, all complete as per drawing, specification and instruction of the Engineer.	K.g.	14,041.71			
1.19	CGI SHEET ROOFING : Supplying and laying 0.5 mm thick colour pre-coated CGI sheet roofing, bottom flushing fitted to main structural member with self tapping and self drilling/self-tapping screws of appropriate length with washer with 150mm wide end lap and one corrugation minimum for side lap complete with all materials and labour.	Sq.m.	395.16			

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SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.20	GI COLOUR PLANE SHEET CLADING: Providing and fixing 24 Gauge GI colour PLANE sheet cladding under metal frame with self taping & self drilling screw all complete as per drawings, specifications and instructions of the Engineer. 200mm laping is required to end lap . Rate shall include temporary staging all complete as per drawing, specification and instruction of the Engineer.	Sq.M.	426.00			
1.21	ROOF TURBINE VENTILATOR :Supply and installation of 24 inches diameter roof turbine ventilator fixed at the top of roof all complete.	No.	4.00			

Total Item Price	
VAT (13.00%)	
Grand Total	