

SCHEDULE OF QUANTITY

Name of Work :- Construction of Seminar Hall (MN301) at the Mining department during 2026-27 at IEST, Shibpur, Howrah (W.B) .

Item. No	DSR'23 Code No	Description of item	Qty	Unit	Rate	Amount
1.1	9.83	Providing and fixing aluminium die cast body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 35 kg and door width upto 700 mm), with necessary accessories and screws etc. complete.	4.00	each	₹ 1,124.85	₹ 4,499.00
1.2	9.97	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :				
1.2.1	9.97.1	300x10 mm	4.00	each	₹ 130.10	₹ 520.00
2.1	10.25	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.				
2.1.1	10.25.1	In stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required, all complete	750.00	kg	₹ 123.60	₹ 92,700.00
3.1	11.33	25 mm wooden planking, tongued and grooved in flooring, including fixing with iron screws complete with :				
3.1.1	11.33.1	Second class teak wood	12.00	sqm	₹ 4,508.95	₹ 54,107.00
4.1	13.82	Wall painting with acrylic emulsion paint, having VOC (Volatile Organic Compound) content less than 50 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour.				
4.1.1	13.82.2	Two coats	300.00	sqm	₹ 137.45	₹ 41,235.00

Item. No	DSR'23 Code No	Description of item	Qty	Unit	Rate	Amount
4.2	13.85	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content.				
4.2.1	13.85.3	With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre	300.00	sqm	₹ 70.35	₹ 21,105.00
4.3	13.88	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	300.00	sqm	₹ 19.75	₹ 5,925.00
5.1	21.1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :				
5.1.1	21.1.1	For fixed portion				
5.1.1.1	21.1.1.2	Powder coated aluminium (minimum thickness of powder coating 50 micron)	150.00	kg	₹ 530.90	₹ 79,635.00
5.2	21.2.1	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)				
5.2.1	21.2.1.1	Powder coated aluminium (minimum thickness of powder coating 50 micron)	90.00	kg	₹ 634.45	₹ 57,101.00

Item. No	DSR'23 Code No	Description of item	Qty	Unit	Rate	Amount
5.3	21.3	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item):				
5.3.1	21.3.1	With float glass panes of 5 mm thickness (weight not less than 12.50 kg/sqm)	15.00	sqm	₹ 1,505.25	₹ 22,579.00
5.3.2	21.3.3	With float glass panes of 8 mm thickness (weight not less than 20 kg/sqm)	8.00	sqm	₹ 1,685.40	₹ 13,483.00
5.4	21.13	Providing and fixing Brass 100mm mortice latch and lock with 6 levers without pair of handles (best make of approved quality) for aluminium doors including necessary cutting and making good etc. complete.	2.00	each	₹ 528.85	₹ 1,058.00

Item. No	DSR'23 Code No	Description of item	Qty	Unit	Rate	Amount
6.1	26.26	Providing & fixing false ceiling at all heights with GRG (Glass Fibre Reinforced Gypsum) false ceiling tiles of Size 595x595 mm of approved texture, design and patterns having moisture content less than 2%, humidity resistance of 99%, NRC0.50 to 0.75 as per IS 8225:1987, Non combustible as per BS 476 (part 4)-1970 and light reflectance of 85% (minimum) to be laid in true horizontal level suspended on inter-locking metal T-Grid of hot dipped galvanised iron section of 0.33mm thick (galvanized @ 120 grams per sqm including both sides) comprising of main-T runners of size 15x32 mm of length 3000 mm, cross - T of size 15x32 mm of length 1200 mm and secondary intermediate cross-T of size 15x32 mm of length 600mm to form grid module of size 600 x 600 mm, suspended from ceiling using galvanised mild steel items (galvanizing @ 80 grams per sqm) i.e. 50 mm long, 8 mm outer diameter M-6 dash fasteners, 6 mm dia fully threaded hanger rod upto 1000 mm length and L-shape level adjuster of size 85x25x2 mm. Galvanised iron perimeter wall angle of size 24x24x0.40 mm of length 3000 mm to be fixed on periphery wall / partition with the help of plastic rawl plugs at 450 mm center to center and 40 mm long dry wall wood screws. The work shall be carried out as per specifications, drawing and as per directions of the Engineer-in-Charge.				
6.1.1	26.26.1	With semi perforated 12 mm thick micro tegular edged GRG false ceiling tiles.	70.00	sqm	₹ 1,852.05	₹ 129,644.00

Item. No	DSR'23 Code No	Description of item	Qty	Unit	Rate	Amount
6.2	26.28	Chipping of unsound/weak concrete material from slabs, beams, columns etc. with manual Chisel and/ or by standard power driven percussion type or of approved make including tapering of all edges, making square shoulders of cavities including cleaning the exposed concrete surface and reinforcement with wire brushes etc. and disposal of debris for all lead and lifts all complete as per direction of Engineer-In-Charge				
6.2.1	26.28.3	25 mm average thickness	20.00	sqm	₹ 126.75	₹ 2,535.00
6.3	26.29	Cleaning of reinforcement from rust from the reinforcing bars to give it a total rust free steel surface by using alkaline chemical rust remover of approved make with paint brush and removing loose particles after 24 hours of its application with wire brush and thoroughly washing with water and allowing it to dry, all complete as per direction of Engineer-In-Charge.				
6.3.1	26.29.1	Bars upto 12 mm diameter	75.00	Mtr	₹ 126.75	₹ 9,506.00
6.4	26.31	Providing, mixing and applying bonding coat of approved adhesive on chipped portion of RCC as per specifications and direction of Engineer-In-charge complete in all respect.				
6.4.1	26.31.1	SBR Polymer (@10% of cement weight) modified cementitious bond coat @ 2.2 kg cement per sqm of surface area mixed with specified proportion of approved polymer	20.00	sqm	₹ 141.20	₹ 2,824.00
6.5	26.33	Providing, mixing and applying SBR polymer (of approved make @ minimum 2% by wt. of cement used) modified plain/reinforced cement concrete for structural members having minimum characteristic compressive strength [with ordinary portland cement, coarse sand and graded stone aggregate of 10mm maximum size in proportion as per design criteria] with specified average thickness.				

Item. No	DSR'23 Code No	Description of item	Qty	Unit	Rate	Amount
		Note: Rates shall be for finished surface area of concrete and shall include the cost of labour, concrete and appropriate approved Super-Plasticiser for rendering concrete as flowable and SBR polymer but shall exclude cost of reinforcement, bond coat, Shear Keys, centering and shuttering, strutting, propping etc (Payment under this item shall be made only after proper wet curing has been done and surface has been satisfactorily evaluated by sounding/tapping with a blunt metal instrument)				
6.5.1	26.33.1	50mm thick in Grade M 25 with cement content not less than 330 kg per cum	20.00	sqm	₹ 569.15	₹ 11,383.00
6.6	26.45	Supplying and installation of moisture resistant/fire resistant cement board as per standard sizes fixed with self-drilling / taping screws. Screws shall be of counter sunk rib head of 1.60mm to 4 mm thick or 8 to 10 gauge of length varying from 25 to 45 mm.				
6.6.1	26.45.1	Cement Fiber Board 6 mm thick as per IS 14862:2000 of type B (High pressure Steam Cured)	100.00	sqm	₹ 1,430.15	₹ 143,015.00
					Total	₹ 692,854.00
		Modified Estimated cost after using correction factor on DSR-2023 on account of GST @ 0.973				₹ 674,147.00
		Add Cost Index @ 23.00 % over DSR'23 Items only on				₹ 155,054.00
					Total	₹ 829,201.00

Item. No	DSR'23 Code No	Description of item	Qty	Unit	Rate	Amount
7	M.R.-1	Providing and fixing in position wall paneling of grooved wood panels of width 192 mm, thickness of 15 mm and length 2440 mm made up of medium-density fiber board with minimum density of 800 Kg/m ³ substrate with a laminated facing as per the approved shade/species & finish with melamine balancing layer on the reverse side. The boards shall have a special perforation pattern of 3 mm grooves at 21 mm pitch. The edges of the panels shall be "tongued-and-grooved" to receive special clips for installation. The back of the perforated panels shall have sound absorbing non-woven acoustical fleece and backed with 50mm thick poly wool layer as directed by the Engineer-in-Charge. The panels shall be mounted on special channels using clips as approved by the Engineer -in-charge. Install G.I stud of section 48X34X36X0.5 mm and floor channels insert the groove of the panel in to the projecting flange of the clip. Continue installing rows of panels by inserting the tongue into the groove of the earlier inserted panel and progressively installing clips for inside channel into the next aluminium channel (keel) and simultaneously fill the gap between wall & panel with 50 mm thick poly wool having density of 48 kg/m ³ . Continue the process till the actual height is achieved. Use clips for border channel to finish off the installation, finish the edges and joints using wood moulding of matching	70.00	sqm	₹ 6,279.81	₹ 439,587.00
8	M.R. -2	Providing and fixing in position 9 mm thick poly panel required colour all complete as per direction of Engineer -in- Charge.	50.00	sqm	₹ 3,460.70	₹ 173,035.00

Item. No	DSR'23 Code No	Description of item	Qty	Unit	Rate	Amount
9	M.R.-3	Supply and installation of W-W loop pile carpet of 145 Lexus - 877_Gunmetal of Divine or Welspun with ISO 9001:2000, ISO 14001:2004, OHSAS 18001:2007, Product type with wear stability, Castor Compatibility, Antistatic, Light Fastness and along with BREEAM certification evaluating their environmental performance and sustainability throughout their lifecycle, CRI Green Level PLUS, US Green Building Council Member, Loop pile, Pile content: 100% Polypropylene (SD), Primary backing: Woven PP, Secondary Backing: Felt backing, and Pile Weight of 850 GSM, Total Weight 1850 GSM, only pile height will be 5mm and total height will be of 8mm, Number of Knots: 65520 tufts/Sq.Mtr. Roll width will be of 4000 mm, Light Fastness of 5/5 on Grey Scale, Fire class- Pass 8/8. Heavy Commercial. The sub-floor should be completely dry, smooth, flat, dust free and resistant to compression and load bearing. Where seaming is necessary, a seam sealant must be used for such installation. Due to dye lot variation, actual colour may vary slightly from the sample. Chair, table and other heavy items legs pods and pvc or metal guards at the edge of stairs (not in scope) are recommended to prevent premature wear of caravelle carpet. The carpet & underlay (6-8 mm) to be fixed with appropriate adhesive on floor as per the manufactures specification and the appropriate floor surface as per the prerequisites of oem will be provided by the custome and the work and design is to be done as per Architect's Specification and as per direction of Engineer-in-charge.	100.00	sqm	₹ 3,599.10	₹ 359,910.00

Item. No	DSR'23 Code No	Description of item	Qty	Unit	Rate	Amount
10.1	M.R. -4	Supply and installation of acoustic Roller Mac/D-Decor or equivalent black out blinds from Greenguard (UL), OEKO-TEX Standard 100, SHWO 079120 TESTEX certified manufacturers with perforated PVC-Polyester Acoustik muff of Control unit: The Control unit is made of high strength reinforced plastic. The clutch is of wrap spring design. High carbon steel springs are provided to transmit motion from driving to driven members of clutch mechanism. Clutch is operated directionally by the use of endless beaded chain. Idler: Idler is of high strength reinforced plastic, consisting of a centre shaft. The idler is mounted on the bracket by using a plastic lock. The metals leave inside the plastic lock provides bearing surface for the centre shaft, which rotates freely, providing smooth, quiet and long wearing operation. Head rail: It is an aluminium extruded rail Powder coated in white. Control unit and Idler are mounted on the Head rail with powder coated M.S. brackets. Roller tube: It is an anodized extruded tube of high strength alloy. Control unit and Idler are fixed to the either ends of the tube.	5.00	sqm	₹ 3,286.95	₹ 16,435.00
			Total Amount =			₹ 1,818,168.00

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