

Revised BOQ of DNIT for Water Proofing, Expansion Joint Treatment, Welding, Civil works and painting in PCA. I.S BINDRA. International Cricket Stadium, Mohali

Sl.No.	Description	Unit	Required Approx. Qty	Rate in Rs.	Amount
1	<p>REPAIR EXPANSION JOINTS (16 NOS) SPECIFICATION: Thoroughly dismantling/ removing of old arrangements of expansion joint using suitable equipment's and Tools to make it free from all contamination for optimum performance of the further system. ii) Repairing and leveling the edges of joints with modified mortar. iii) After repairing, Providing and fixing of expansion joint system up to any width related with floor/ vertical location as per drawings and direction of Engineer- In-Charge. The joints system will be of extruded aluminum base members, self-aligning / self-centering arrangement and support plates etc. The system shall be such that it provides floor to floor/ floor to wall expansion control system for various vertical location in load application areas that accommodates multi directional seismic movement without stress to its components. System shall consist of metal profiles with a universal aluminum base member designed to accommodate various project conditions and finish floor treatments. The cover plate shall be designed of width and thickness required to satisfy projects movement and loading requirements and secured to base members by utilizing manufacturer's pre-engineered self-centering arrangement that freely rotates / moves in all directions. The Self-centering arrangement shall exhibit circular sphere ends that lock and slide inside the corresponding aluminum extrusion cavity to allow freedom of movement and flexure in all directions including vertical displacement. Provision of Moisture Barrier Membrane in the Joint System to have watertight joint is mandatory requirement all as per the manufactures</p>				

		design and as approved by Engineer-in Charge. This also includes aluminum Patti (1mm thick) in bottom of the joint.				
a)	5.44.1	South Pavilion Terrace Expansion Joints 04 Nos	Mtr	94	4142.56	389438.24
b)	5.44.1	Stadia Entry Gates Expansion Joints 12 Nos:	Rmt	183	4142.56	758161.68
2		<u>WATER PROOFING TREATMENT IN PAVILION TERRACE SLAB, TWI ROOM ROOF SLAB AND VOC(N.P):</u> Thoroughly Cleaning surface of the substrate using suitable equipment to make it free from all contamination for optimum performance of the further system. ii) Applying the dust controlling chemical after cleaning the surface. iii) Repairing of minor cracks by making "V" grooves with required sealant. iv) Applying single coat of bonding agent/waterproof primer along with 3 coats of Elastic layer chemical along with fibreglass coated mesh of 45 gm thickness. (v) Final layer consists of 2 layer of UV resistant				
a)	13.90+1 3.91	Water Proofing on the Pavilion Terrace Slab (559.09+119	sqmtr	2075	605.44	1256288.00
b)	13.90+1 3.91	Water Proofing in the TWI Room roof Slab	sqmtr	1300	605.44	787072.00
c)	13.90+1 3.91	In Kitchen	sqmtr	40	605.44	24217.60
d)	13.90+1 3.91	<u>South Pavilion 62' level Roof Slab and Gutter/Drain:</u> The scope of work also included removing the old bitumen tar felt and making slope with concrete with cement mortar, after surface preparation and clearing, washing and scraping all loose material/particle in all respect as per the specification and Channelizing of water into the existing main water pipes direction of the engineer in charge. Note: 1:2:4 concrete to be paid separately.	Sqmtr	355	605.44	214931.20
3	M.R	3RD FLOOR STAIRCASE LEAKAGE REPAIR BOTH SIDES: M.S Sheet 2mm thick welding in front of Pavilion lifts both sides to protect water leakage from existing MS sheets to the concrete wall/Girder at roof of south pavilion in AC lounge staircase.	Kg	300	120	36,000

4a)	13.65	Banquet Hall Ceiling Repair Near Stair case 1C to Basement: Providing and Fixing ceiling consisting of 12.5mm thick Gypsum Board of any size G.I. Cradling hanged from the ceiling by means of G.I. hanger complete along with dismantling of existing hangers etc as per drawings, specifications and	Sqm	22.30	1179.46	26301.96
b)	M.R	Basement Banquet hall water Management: Construction of One Sump size 4'X4'X2' and reduction of PCC Floor 8" to 1' approx. 200 sqft area with proper sloping 6" to 12" to the sump in Basement banquet hall	JoB	1	50000	50,000
c)	14.113	Providing and laying vitrified floor tiles of different sizes in light colour shades made using Double Charge technology (thickness to be specified by the manufacturer) with water absorption's less than 0.08% and conforming to IS: 15622 of approved make in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement: 4 fine sand), complete. (Design is homogenous throughout the tile body) size 600x600mm Make: Johnson, Kataria, Nitco, Somany	sqmtr	60	935.71	56142.60
5a)	18.7	Supports for the Hoarding's to make strengthening with additional supports Structural steel work in compound girders or Stanchions built up from two or more R.S. joists or channel section or plates & angles etc. including cutting and fixing all lattice bars, stiffeners, gusset plates, bolts, nuts, rivets, welding rod, etc. complete with flange plates, heads, sole plates, angle connections, etc. with hoisting and erecting in position including joints of two hoardings approx. ISMC 75x40x 4.8mm 122 nos X 2' and Back supports angle 50x 6mm 20 nos X 3' Approx. Total 1200 Kg for 49 Nos of hoardings to connect each and Back supports. The rates quoted for the supply and fixing of MS Channel, Angles, Plates	Qtl	15.52	6610.71	102598.22
b)	10.13 a(ii)	Cement concrete 1:2:4 mixing by mechanical means using concrete mixer volumetric type	Cum	03	4174.11	12522.33
6		Painting and Polishing work Make: Asian, Berger, Dulux, Nerolac, Vikani or equivalent				
a)	8.31	Scraping White wash, Paint and colour wash	Sqm	4700.00	6.25	29375.00

b)	16.6	Preparation of plastered surfaces for distempering including surface, applying filling with approved quality filler consisting of plaster of paris and chalk mitti including finishing the surface to the required finish complete	Sqm	4700.00	54.46	255962.00
c)	16.59	Finishing walls with acrylic smooth exterior paint of required shade with two or more coats applied @ 1.67 litre/10Sqm over and including base coat of water proofing Cement Paint applied @ 2.20 Kg/10Sqm	Sqm	2000.00	81.25	162500.00
d)	16.13	Finishing walls with exterior decorative cement based paint such as snowcem, robbiacem etc. two or more coats to give an even shade	Sqm	2200.00	49.11	108042.00
f)	16.63	Wall painting with plastic emulsion paint of approved brand and manufacturer to give an even shade (two or more coats).	Sqm	500.00	79.46	39730.00
g)	16.20	Applying priming coat with metal primer on new steel or iron work including preparation of surface	Sqm	2200.00	21.43	47146.00
h)	16.17	Painting two or more coats excluding priming coat with synthetic enamel paint in all shades on wood work, metallic or plastered, concrete surface to give an even shade	Sqm	2200.00	58.92	129624.00
i)	16.77	Extra rates for External whitewashing, distempering, painting and decorative cement-based paints etc for walls of height above Third storey from ground level for every additional height of single storey or part thereof.	Sqm	500.00	10.71	5355.00
7		<u>Moat Work</u>				
a)	8.1	Dismantling stone masonry/Rubble masonry including stacking of serviceable materials and disposal of unserviceable materials	Cum	149	613.39	91395.11
b)	10.13 a(ii)	Cement concrete 1:2:4 mixing by mechanical means using concrete mixer volumetric type	Cum	10	4174.11	41741.10

8a)	14.139	Providing and laying 80 mm thick factory made cement concrete interlocking paving blocks of M-40 grade manufactured by block making machine equipped with steel mould clamped to a strong vibratory table with hydraulic pressure for compaction of concrete as per IRC SP 63 - 2014 and of approved size and design / shape laid in Ordinary Grey Colour and pattern over and including 40 mm thick compacted bed of coarse sand, filling the joints with fine sand etc, after necessary earth leveling work as per site requirement, all complete as per directions of Engineer-in-Charge.	Sqm	2400.00	718.75	1725000.00
b)	10.11 (b)(ii)	Cement concrete 1:4:8 with stone aggregate 40mm gauge mixing by mechanical means using concrete mixer volumetric type after necessary earth leveling work as per site requirement, all complete as per directions of Engineer-in-Charge.	Cum	240	3231.25	775500.00
c)	24.1	Clearing grass and removal of rubbish upto any distance of outside the periphery of the area as per technical clause 201 of MORT&H specifications	Hac	0.24	21696.64	5272.71
d)	24.6 (b)	Excavation of extra earth by hydraulic means including carrying cutting and disposal of the same within lead up to 100 mtr.	Cum	480.00	141.07	67713.60

TOTAL Rs. 71, 98, 090/-

Specification:

1. The Water Proofing Chemical to be used Asian, Berser, Dr. Fixit, Fosroc, Vikani or equivalent.
2. The cement to be used ACC, Birla, Ultratec
3. Paint material ASIAN, BERGER and NEROLAC
4. Steel material to be used Tata, Jindal
5. The contractor shall execute all the work including any civil works required as per the site and no extra cost will be given. Before quote the rate the contractor will be visit the site.
6. GST as applicable will be paid extra after submission of GSTR returns (GSTR-1 & GSTR-3B) depicting the proof of deposit. The Association will pay GST amount, after checking the GST in GSTR-2B of PCA. The GST number of PCA is 03AAATP3502C1ZD
7. The agency will quote Percentage (+/-) in figures as well in word as per the above quoted amount i.e., on Rs. 71,98,090/-.