ANNEXURE

BILL OF QUANTITY (BOQ)/SCHEDULE OF REPAIR AND PAINTING WORKS, KARNATAKA GRAMEENA BANK,REGIONAL OFFICE KALABURAGI

NO	Particulars	No	Length	Width	Height	Qty	Unit	Rate	Amount
		PWD VOL II -DSR 2023-24							
1	Removing of existing **Solar panels** with handling carefully without supply inerception and refitting /reinsisting as working condtions after completion of water proofing with with required man power , accessories and HOM etc					**2**	**set**		
2	Removing exixsting **Water Tanks** with handling carefully ,with out supply interception refitting /reinsisting as working condtions after completion of water proofing with required man power , accessories and HOM etc						**LS**		
3	19.61 **Dismantling weather proof cours**e and removing and conveying the debris to a distance to the appropriate disposal area as per direction of Engineer-in-charge.					**43**	**m3**		
4	19.22 **Dismantling tile work** in floors and roofs laid in cement mortar including stacking material to the appropriate disposal area as per direction of Engineer-in-charge. 19.22.1 For thickness of tiles 10 mm to 25 mm m2 48.00					**10**	**m2**		
5	**Surface cleaning , Applying chemical, bonding agent ,finishing**								
	1 . Preparation of Surfaces: The surface on which the water proofing is to be applied shall be thoroughly cleaned. All the unwanted impurities need to be cleaned as far as applicable prior to the application of the materials. The graded roof surface, concrete fillets, and faces of wall shall be thoroughly cleaned with wire brush and all scales, mortar dropping etc. re moved. Any cracks shall be cut into "V' section and filled up flush with cement mortar 1:4 or blow n up. Cleaning of surface 2 . Mixing & Application: If the waterproofing compound approved has two elements to be mixed, the contractor shall mix in presence of the Engineer in charge or the site representative as per the								

SIGNATURE OF THE CONTRACTOR

	instruction of the manufacturers' specification. Furthermore, all the mixing procedures and application procedures shall be thoroughly applied as per the manufacturers' specification. Special care need to be taken during mixing. Where the treatment consist s of two layers, the second layer shall be laid similar to the first with joints in the two layers properly staggered					
	After surface cleaning ,crack filling filled by fosroc-nitoseal - pu40 as per Specifications					
	Applying first coat of primer notobond coat or brush bond for existing cleaned surface.					
	Typical mechanical propeies of 1:3 Cement sand at mortor coating with nitobond 2coats					
	rendering on concrete surface with final finishing and slope		**550.00**	**m2**		
6	2.1 Providing and laying in position **Cement Concrete 1;1.5;3 mixed with wpc** for levelling course for					
	on cleaned wet terrace surface The granite/trap/basalt crushed graded coarse					
	aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in					
	layers not exceeding 100mm thickness, well compacted using plate vibrators,					
	including all lead & lifts, cost of all materials of quality, labour, Usage charges of					
	machinery, curing, and all the other appurtenances required to complete the					
	work as per technical specifications. And also providng water proof fosrac conplast					
	200 ml WL per bag and 12mm fiber of 250gm per bag	minimum 50mm maximum 100mm th				
	2.3.1 M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates		40	**m3**		
7	**Cinder concerate**					
	7.18 Providing and laying cinder concrete in cement 1:15 (1 cement : 15 cinder of 12.5mm nominal gauge) on terraced roof or sunken slabs , laid to slope compacting, including cost of materials, labour, curing complete a s per specification					
	DSR 23-24 VOL NO 2 P NO 48 I NO 8.41		**15**	**m3**		
8	**Water Proofing**	After 2 months				
	15.2 Polyurethane based Single Component for Existing Surface					
	Providing and Applying PU based Elastomeric Liquid Applied PU					

SIGNATURE OF THE CONTRACTOR

	Waterproofing Membrane single component, cold applied, water based acrylic PU dispersion with highly elastic and UV resistant water proofing treatment to the Existing Roof surface/Chajjas/Sunken portion of WC:Bathroom applied @ 1.2 l/per m2, having tensile strength greater than 1.5 N/mm2, elongation greater than 300% with solid content not less than 60 % in 2 coats including surface preparation, priming the surface with water based acrylic primer @0.1 l/m2, and spreading 60 gsm geotextile between two top coats completely as per specification. The finished cost to include surface preparation, making coving at Junction, Bore Packing, treatment of construction joints completely as per specification.						
		600	**m2**		
9	8.6.1 Providing 12 mm cement plaster with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement to brick/ including rounding off corners wherever required smooth with self-curing rendering, providing and removing scaffolding, including cost of materials,					
	labour, curing complete as per specifications and as per directions of EIC					
	DSR 23-24 VOL NO 2 P NO 42 I NO 8.6.1	**100.00**	**m2**		
10	9.39 Providing skirting, dadooing, rises of steps with **colour glazed tiles** 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, lab our, complete as per specifications					
	DSR 23-24 VOL NO 2 P NO 65 I NO 9.39	**5.00**	**m2**		
11	**Wall putty :** Providing an d supplying white cement based putty of avearge thcikness 1mm of approved brand and manufacure over the plasterd wall surface to prepare the surface even and smooth complete as per specification and per directions of engineer charge					
	DSR 23-24 VOL NO 2 P NO 50 I NO 8.34.3	**10.00**	**m2**		

SIGNATURE OF THE CONTRACTOR

12	8.30 Finishing walls with A crylic Smooth **exterior paint** of required shade :New work (Two coat applied @ 1.67L/10 m² over and including priming coat of exterior primer applied @ 2.20 kg/ 1 0 m²) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops an d foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.						
	DSR 23-24 VOL NO 2 P NO 48 I NO 8.30			**475.00**	**m2**		
13	8.54.2 Wall painting with premium acrylic **interior emulsion paint of** grade, having VOC (Volatile Organic Compound) content less than 50 g/L of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and col our. Two c oats as per specifications and as per directions of Engineer in charge.						
	DSR 23-24 VOL NO 2 P NO 50 I NO 8.54.2			**1700.00**	**m2**		
14	8.34.3 Applying priming coat: With ready mixed **red oxide** zinc chromate **primer** of approved brand and manufacture on **steel** galvanised iron/ steel works including preparing the surface after thoroughly cleaning oil,						
	grease, dirt and foreign matter, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.						
	DSR 23-24 VOL NO 2 P NO 47 I NO 8.34.3		Railing	**25.00**	**m2**		
15	8.41 Painting with synthetic **enamel paint** of approved brand and manufacture of required colour to give an eve n shade : Two coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the						

SIGNATURE OF THE CONTRACTOR

	surface even and sand pa per smooth, cost of materials , labour complete as per specifications and as per directions of Engineer- in-charge.						
	DSR 23-24 VOL NO 2 P NO 48 I NO 8.41			**25.00**	**m2**		
16	8.55.2 Applying priming c oats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. With water thinnable **cement primer on wall surfac**e having VOC content less than 50 g/L as per specifications and as per directions of Engineer						
	in charge.	Compound					
	DSR 23-24 VOL NO 2 P NO 48 I NO 8.41			**1083.00**	**m2**		
17	11.26.3 Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer. G.I. pipes including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge.						
				400	**kg**		
18	13.50 Providing and fixing Unplasticised Polyvinyl Chloride (uPVC) pipes, for						
	cold water supply including all uPVC plain & brass threaded fittings						
	This includes jointing of pipes & fittings with one step uPVC solvent						
	cement, trenching, refilling & testing of joints complete as per direction						
	of Engineer in Charge. External work for existing toilets and baths with holes						
	with out disterbing tiles on open , closing prevoius conseled pipes .						
	13.50.2 20 mm nominal dia Pipes m 172.00			**100**	**mt**		
	13.50.3 25 mm nominal dia Pipes m 224.00			**100**	**mt**		
19	7.28 Providing & fixing 10 mm thick plaster of Paris (gypsum anhydrous) ceiling						

SIGNATURE OF THE CONTRACTOR

	up to a height of 5 m above floor level, over first class kail wood strips 25x6 mm with 10 mm gap in between and reinforced with rabbit wire mesh fixed to wooden frame. 7.28.1 Flat surfaces m2 1,274.00								
						10	**mt**		
20	7.40.4 12.5 mm thick fully Perforated Gypsum Board tile made from plasterboard having glass fibre conforming to IS: 2095 part I, of size 595x595 mm, having perforation of 9.7x9.7 mm at 19.4 mm c/c with center borders of 48 mm and the side borders of 30 mm, backed with non woven tissue on the back side, having an NRC (Noise Reduction Coefficient) of 0.79, with 50 mm resin bonded glass wool backing.								
						10	**mt**		
							Sub total		
21	Add for cleaning clearing & Rounding off and petty works lumsum /minor works								
					Grand Total Rs.				

Note; If any additional work to be carried out take prior permission from concerned authority

SIGNATURE OF THE CONTRACTOR