

SCHEDULE - A

NAME OF WORK: Construction of Flood Protection Wall for Inlet at mile 35/3 and Reconstruction of Bridge at mile 36-0-70 of Kalingarayan Channel in Kodumudi Taluk of Erode District

Item No.	Approximate Quantity in figures & Words	Description of Work	TNBP Specification No.	Rate in figures & in Words (Rs.)	Unit of measurement in figures & in words	Amount (Rs.)
	55 M ³ (Fifty five cubic metre only)	Dismantling, clearing away and carefully stacking of materials useful for reuse for any thickness of walls, brick/stone masonry in cement mortar walls under 3m height complete complying with standard specifications and as directed by the departmental offi	Sec-II SS-18		1 M ³ (One cubic metre only)	
	2 M ³ (Two cubic metre only)	Dismantling, clearing away and carefully stacking of materials useful for reuse for any thickness of plain cement concrete complete complying with standard specifications and as directed by the departmental officers.	Sec-II SS-18		1 M ³ (One cubic metre only)	
3	747 M ³ (Seven hundred and forty seven cubic metre only)	Earth excavation for foundation and depositing on bank with an initial lead of 10m and initial lift of 2m in sand , silt or other loose soil, wet sand or silt not under water light black cotton soil , sandy loam and ordinary soil including excavated earth, hard stiff clay, stiff black cotton , hard red earth, shales, murram, gravel, stoney earth and earth mixed with small size boulders (SS20B), soft disintegrated rock, laterite, soft rock or kankar not requiring blasting complete complying with standard specifications and as directed by the departmental officers	Sec- III SS-20B		1 M ³ (One cubic metre only)	
4	91 M ³ (Ninety one cubic metre only)	Providing and laying Plain Cement concrete of M10 grade (Design Mix) using 40mm HBGS jelly (well graded) confirming to IS specified grading (to produce concrete of the specified grading and characteristic strength of 10N/mm ² at 28 days) and mixing the ingredients by mixer machine including dewatering by bailing/pumping wherever necessary laying the concrete in layers and in bays with all leads and lifts, compacting and finishing the surface, watering, curing etc., complete complying with standard specifications and as directed by the departmental officers.	SS. 28 & 30		1 M ³ (One cubic metre only)	

No of over writings:

Contractor

No of corrections:

No of omissions:

Superintending Engineer

Item No.	Approximate Quantity in figures & Words	Description of Work	TNBP Specification No.	Rate in figures & in Words (Rs.)	Unit of measurement in figures & in words	Amount (Rs.)
5	1522 M ³ (One thousand five hundred and twenty two cubic metre only)	Providing and Laying in position, Plain Cement concrete M 15 grade (Design Mix) with well graded aggregates and the maximum nominal size of HBGS jelly of 40mm and down graded to IS specified grading and mixing by mixer machine (to produce concrete of the specified characteristic strength of 15 N/mm2 at 28 days) including dewatering by bailing/pumping wherever necessary laying the concrete in layers and in bays with all leads and lifts, vibrating, compacting and finishing the surface watering, curing for various depth and height below and above ground level so as to attain the profile and strength specified in the drawings as per the direction of the departmental officers and complying with standard specification.	SS. 28 & 30		1 M ³ (One cubic metre only)	
6	100 M ³ (One hundred cubic metre only)	Providing and Laying in position, Plain Cement concrete M 25 grade (Design Mix) with well graded aggregates and the maximum nominal size of HBGS jelly of 40mm and down graded to IS specified grading and mixing by mixer machine (to produce concrete of the specified characteristic strength of 25 N/mm2 at 28 days) including dewatering by bailing/pumping wherever necessary laying the concrete in layers and in bays with all leads and lifts, vibrating, compacting and finishing the surface watering, curing for various depth and height below and above ground level so as to attain the profile and strength specified in the drawings as per the direction of the departmental officers and complying with standard specification.	SS. 28 & 30		1 M ³ (One cubic metre only)	
7	63 M ³ (Sixty three cubic metre only)	Providing and Laying in position, Plain Cement concrete M 15 grade (Design Mix) with well graded aggregates and the maximum nominal size of HBGS jelly of 20mm and down graded to IS specified grading and mixing by mixer machine (to produce concrete of the specified characteristic strength of 15 N/mm2 at 28 days) including dewatering by bailing/pumping wherever necessary laying the concrete in layers and in bays with all leads and lifts, vibrating, compacting and finishing the surface watering, curing for various depth and height below and above ground level so as to attain the profile and strength specified in the drawings as per the direction of the departmental officers and complying with standard specification.	SS. 28 & 30		1 M ³ (One cubic metre only)	

No of over writings:

Contractor

No of corrections:

No of omissions:

Superintending Engineer

Item No.	Approximate Quantity in figures & Words	Description of Work	TNBP Specification No.	Rate in figures & in Words (Rs.)	Unit of measurement in figures & in words	Amount (Rs.)
8	57 M ³ (Fifty seven cubic metre only)	Providing and laying in position, Standardised Reinforced Cement Concrete Mix M-30 Grade in accordance with IS:456-2000, using 20mm and down graded hard broken granite stone jelly for all RCC items of works with minimum cement content of 400 kg/m ³ and maximum water cement ratio of 0.45, including admixture (plasticiser / super plasticiser) in recommended proportions as per IS:9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability with about (5.0 cu.m) 7730 kg of 20mm machine crushed stone jelly and with about (3.3 cu.m) 5156kg. of 10-12mm machine crushed stone jelly and with about (4.79 cu.m) 7670kg of M.sand, but excluding cost of reinforcement grill and fabricating charges, centering and shuttering and also including laying, vibrating with mechanical vibrators, finishing, curing, etc., complete complying with standard specification and as directed by the departmental officers. The coarse and fine aggregates to be used should comply with the requirement of IS standards.(No separate payment will be made by the Department for the excess usage of materials)	SS.30		1 M ³ (One cubic metre only)	
9	14 M ³ (Fourteen cubic metre only)	Providing and laying in position, Standardised Reinforced Cement Concrete Mix M-25 Grade in accordance with IS:456-2000, using 20mm and down graded hard broken granite stone jelly for all RCC items of works with minimum cement content of 350 kg/m ³ and maximum water cement ratio of 0.50, including admixture (plasticiser / super plasticiser) in recommended proportions as per IS:9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability with about (5.0 cu.m) 7730 kg of 20mm machine crushed stone jelly and with about (3.3 cu.m) 5156kg. of 10-12mm machine crushed stone jelly and with about (4.79 cu.m) 7670kg of M.sand, but excluding cost of reinforcement grill and fabricating charges, centering and shuttering and also including laying, vibrating with mechanical vibrators, finishing, curing, etc., complete complying with standard specification and as directed by the departmental officers. The coarse and fine aggregates to be used should comply with the requirement of IS standards.(No separate payment will be made by the Department for the excess usage of materials)	SS.30		1 M ³ (One cubic metre only)	
10	32 RM (Thirty two running metre only)	Supplying and fixing in position of seepage pipes having working pressure of 6 Kg/cm ² of 63mm dia PVC pipe of required lengths for retaining wall including cost and conveyance of all materials to the work site complete complying with standard specifications and as directed by the departmental officers.	Special		1 RM (One running metre only)	

No of over writings:

Contractor

No of corrections:

No of omissions:

Superintending Engineer

Item No.	Approximate Quantity in figures & Words	Description of Work	TNBP Specification No.	Rate in figures & in Words (Rs.)	Unit of measurement in figures & in words	Amount (Rs.)
11	10 M ² (Ten square metre only)	Providing and fixing KRAFT PAPER for full width of seating of deck slab and including cost and conveyance to work site, labour for fixing the same in correct position and all other incidental charges etc., complete complying with standard specification and as directed by the departmental officers.	Special		1 M ² (One square metre only)	
12	16 RM (Sixteen running metre only)	Supplying and fixing 300mm wide PVC EXPANSION JOINT in the 20mm expansion gap provided in between decks over piers and in between deck and dirt wall over abutment as shown in the drawing including cost and conveyance of expansion joints including shalimar pad and joint sealant etc., complete complying with standard specification and as directed by the Departmental officers. in between deck slabs over abutment and pier as shown in the drawing including cost and conveyance of expansion joints including shalimar pad and joint sealant etc, complete	Special		1 RM (One running metre only)	
13	77 Qtl (Seventy seven quintal only)	Supplying and fabrication of steel required for all RCC works involved in the schedule including cost of steel , cost of fabrication, labour charges for cleaning the rods straightening, cutting, bending, tying grills including over lapping to the required length wherever necessary and placing reinforcement in position as specified in the drawing including cost of binding wire provision for space bars, cover blocks and all other incidental charges etc., complete complying with standard specification and as directed by the departmental officers	SS. 86A		1 Qtl (one quintal only)	
14	88 M ² (Eighty eight square metre only)	Providing and Laying in position, Plain Cement concrete M 30 grade (Design Mix) for wearing coat 75 mm thick with well graded aggregates and the maximum nominal size of coarse aggregate of 20mm and down graded to IS specified grading and mixing by mixer machine (to produce concrete of the specified characteristic strength of 30 N/mm ² at 28 days) laying the concrete in layers and in bays with all leads and lifts, vibrating, compacting and finishing the surface watering, curing and strength specified in the drawings as per the direction of the departmental officers and complying with standard specification.	SS. 28 & 30		1 M ² (One square metre only)	

No of over writings:

Contractor

No of corrections:

No of omissions:

Superintending Engineer

Item No.	Approximate Quantity in figures & Words	Description of Work	TNPB Specification No.	Rate in figures & in Words (Rs.)	Unit of measurement in figures & in words	Amount (Rs.)
15	4 Nos (Four numbers only)	Supplying and fixing GI DRAINAGE SPOUTS 100mm dia as per GOI drawing SD/205 with grating arrangements at top as shown in the drawing and 100mm dia drainage spout projecting atleast 300mm beyond the bottom of deckslab as shown in the drawing, including cost and conveyance of Galvanised iron pipes and flats and fixing them in position, etc., complete as per cl 2705 of MORT&H specification and as directed by the departmental officers	Special		1 No (One number only)	
16		Providing steel centering for cement concrete block, column, footing, pedestal, plinthbeam, grade beam etc., which require nominal strutting etc, using MS sheets 10 gauge thick of size 90 x 60 cm stiffened with MS angle of size 25mm x 25mm x 3 mm laid over silver oak joists of size 10 cm x 6.5 cm spaced at 90 cm c/c duly supported and removing the strutting after specified period without damaging the concrete laid complete complying with standard specification and as directed by the departmental officers. Scaffolding and centering charges for the structural components is including the cost and conveyance of all material to the site including all labour charges and incidental charges etc., complete complying with standard specification and as directed by the departmental officers				
		Below sill				
	359 M ² (Three hundred and fifty nine square metre only)	Centering for footings below sill level	SS 30 & 86.A		1 M ² (One square metre only)	

No of over writtings:

Contractor

No of corrections:

No of omissions:

Superintending Engineer

Item No.	Approximate Quantity in figures & Words	Description of Work	TNBP Specification No.	Rate in figures & in Words (Rs.)	Unit of measurement in figures & in words	Amount (Rs.)
17		Supplying and erecting centering for sides and soffits including necessary supports and strutting upto 3.29m height for vertical/sloped surface as detailed below with all cross bracings using mild steel sheets 10 gauge thick of size 90cm x 60cm stiffened with welded mild steel angle of size (25x25x3)mm laid over silver oak joists of size 10x6.5cm spaced about 90cm c/c and supported by casurina props of 10 cm to 13cm dia spaced at 75 cm c/c and removing the centering and shuttering after specified period without damaging the concrete laid, complete complying with standard specification and as directed by the departmental officers.Scaffolding and centering charges for the structural components is including the cost and conveyance of all material to the site including all labour charges and incidental charges etc., complete complying with standard specification and as directed by the departmental officers				
		Above sill				
	1682 M ² (One thousand six hundred and eighty two square metre only)	Centering for above sill Abutments, wing etc.,	SS 30 & 86.A		1 M ² (One square metre only)	

No of over writings:

Contractor

No of corrections:

No of omissions:

Superintending Engineer

Item No.	Approximate Quantity in figures & Words	Description of Work	TNBP Specification No.	Rate in figures & in Words (Rs.)	Unit of measurement in figures & in words	Amount (Rs.)
18	714 M ³ (Seven hundred and fourteen cubic metre only)	Earth work in all soils except hard rock requiring blasting and conveyed to the working site from the borrowed area for formation of bund by deploying earth moving machineries and tippers including benching, formation of bunds, breaking clods, sectioning etc.,. The rate includes the cost of earth payable to the borrower, admissible seigniorage charges, cost of excavation, other statutory levies, etc.,. The borrowed earth shall confirm to the standard specifications and as directed by the departmental officer in-charge.	Sec- III SS-20B		1 M ³ (One cubic metre only)	
				Total	Rs.	
				Add 12% of GST	Rs.	
		Total Value of Civil work including GST			Rs.	

No of over writings:

Contractor

No of corrections:

No of omissions:

Total Number of items : 18 (Eighteen only)

Superintending Engineer, WRD,
Bhavani Basin Circle, Erode -11