

## RESTRICTED

Headquarters Chief Engineer Project Beacon C/o 56 APO

750803/AA/CE's Power/ 04 /Estg

**18** May 2021

**HQ 32 BRTF** C/o 56 APO

## **ADMINISTRATIVE APPROVAL**

CONSTRUCTION OF 45 M SPAN STEEL SUPERSTRUCTURE THROUGH TYPE PERMANENT BRIDGE WITH APPROACHES OVER GURAI NALLAH AT KM 66.00 ON BANDIPUR-GUREIZ ROAD UNDER 56 RCC/32 BRTF/ PROJECT BEACON IN JAMMU & KASHMIR (UT)

1. In pursuance of the financial and administrative powers delegated to Chief Engineer vide Govt of India, Ministry of Defence (BR Wing), D (BR-1), 'B' wing, 4<sup>th</sup> floor, Sena Bhawan New Delhi letter No MoD (BR) F.No.04/696/2015/D&P (BR-I) dated 11<sup>th</sup> Aug 2017, Item Ser No.2 of Annexure-I, I hereby issue the Administrative Approval and Expenditure Sanction for "Construction of 45 M span Steel Superstructure Through type Permanent Bridge with approaches over Gurai Nallah at Km 66.00 on Bandipur-Gureiz road under 56 RCC/32 BRTF/ Project Beacon in Jammu & Kashmir (UT)" at estimated cost of Rs. 556.02 lakh (Rupees five crore fifty six lakh and two thousand only) as per details in the annexure to this letter.

(a) Cost of Departmental work

Rs 98.09 lakh

(b) Cost of Execution contract

Rs 457.93 lakh

Total

Rs. 556.02 lakh

- 2. The expenditure on the work is debitable to "MH 5054.02.337.03.00.53 Road Works OTNH".
- 3. The work has been assigned **Job No. 217/21(BCN)** which may please be quoted in all future correspondence on the subject.
- 4. This issues with the concurrence of ACDA (P) Beacon vide Note No & File No. ABC/185/Concurrence/Wks/ESTG dated 18 May 2021.

24/15

(I K Jaggi) Brigadier Chief Engineer

## Copy to:-

- 1. HQ DGBR/West Dte, Seema Sadak Bhawan, Ring Road, Delhi Cantt, New Delhi-10.
- 2. HQ ADGBR (North West), Sector 48C, Chandigarh, PIN- 160047.
- 3. AO (P) Beacon, C/o 56 APO.
- AO 32 BRTF, C/o 56 APO.
- 5. 56 RCC, C/o 56 APO.
- 6. Office Copy (Case File): 201846/AE/Gurai Nallah/B-G Rd/Km 66.00/Estg).

Internal:-7. E2 (Wks).

8. E2 (Plg).

9. E5 (Budget).

10. E8.

Say in lakin	G/Total (A) to (E)	(E) Royalty charges		_	(ii) QCC @ 1%	(i) (a) Execution contract for bridge proper	_	i otal (C)	Labour Cess @ 1%	_	_	(i) Physical contingency charges @ 5%		╀	lotal (b)	23 & 2023-2024	(i) Add escalation charges @ 15.44% for 2021-22, 2022-	_					(iv) Extra tpt charges for ready mix from HMP to work site		(i) Cost of High Charges	_	1		Description	: Jammu & Kashmir (UT)  Alid Bet 24  Ribrie of Area  : Beacon/ 32 BRTF/ 56 RCC  SSR 2016, SSR 2016, STEEL SUPERSTRUCTURE THROUGH TYPE PERMANENT BRIDGE WITH APPROACH AT KM 66.00 ON BANDIPUR-GUREIZ ROAD UNDER 56 RCC/32 BRTF/ PROJECT BEACON IN JAMMU & KASHMIR (UT)
	0 lakh	.								-		-				•	ч									-		(Rs.)	Land Acquisition	PAN STEEL SUPE
	7.3 lakh	730129.00		•				730129.00	60285.00	6698.00	6698.00	13397.00	33492.00		669844.00	89591.00		89591.00	000000000000000000000000000000000000000	580253.00	-23745.00	-3537.00	•		8/33.00	598802.00		Fmn work amt (Rs.)		SUPERSTRUCTURE THROUGH TOAD UNDER 56 RCC/32 BRTF/ P
		0 4/80951.00	41203.00	10.000								00 58757			4348320.00		104.00	581584.00		3766736.00	-185367.00	-109148.00	•	130030.00	420659.00	3119320.00	4	$\exists$	Approach road (Rs.)	<u>UGH TYPE PERMANE</u> RTF/ PROJECT BEACC
			33	38569.00	•				3343950.00	218763.00		3129		156259.00	0160101.00	3125187 00	417991.00	417991.00		2707196.00	-16852.00	-38292.00		56800.00	91286 00	2442584.00		Surf work amt (Rs.)	P	Alid Bet 2401-2700 m Alid Bet 2401-2700 m SSR 2016, Zone-"J" PERMANENT BRIDGE WITH APPROACHES OVER GURAL ROJECT BEACON IN JAMMU & KASHMIR (UT)
(Rakesh Chopra) SE (Civ) Dir (Estg & Br) for Chief Engineer	}	467.09 IANII	4		46708860.00	457930.00	45/900000	00 000	\ \ '		,												45793000.00 45			45793000.00 519		_	Pmt Bridge   Total	Job No: 217/21(BCN) Alld Bet 2401-2700 m SSR 2016, Zone-"J" APPROACHES OVER SHMIR (UT)
nopra) Br) ngineer	•		556.02 lakh	55602459.00	46708860.00	457930.00	457930.00	45793000.00	0013/4/.00	670396.00	81433.00	81433.00	100363.00	407167.00		8143351.00	1089166.00	1089166.00		7054185.00	-225964.00	-150977.00	45793000.00	56800 00	991676.00	51953706.00		(Rs.)	Total amount	3 GURAI

RETRICTED
ADMINISTRATIVE APPROVAL
PART-I

## ADMINISTRATIVE APPROVAL RESTRICTED

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Job No: 217/21(BCN)

Job No: 217/21(BCN)

Name : Beacon/ 32 BRTF/ 56 RCC

Name : CONSTRUCTION OF 45 MTR SPAN STEEL SUPERSTRUCTURE THROUGH TYPE PERMANENT BRIDGE WITH APPROACHES OVER GURAI NALLAH AT KM 66.00 ON BANDIPUR-GUREIZ

ROAD UNDER 56 RCC/32 BRTF/ PROJECT BEACON IN JAMMU & KASHMIR (UT)

130658.00				Extra transportation charges		
811273.00		1	1	Road lift charges		П
138055.00	53.18	2596.00	8			T
52690.00	2029.67	25.96	6	Cost of steel	MP 12	12
				Laying reinforcement including cutting bending binding providing hooks overlaps etc bars up to 12 mm (labour colo)	P 302	11
23986.00	2200.83	10.90	Cum	Hardcore comprising of broken load inetal size of cm graded downards spread in layers not exceeding 15 cm including watering ramming and finishing to required level and gradient including cost of stone motor	P 107	10
265112.00	8182.46	32.40	Cum	mm graded downward. (excluding the cost of reinforcement & centering/shuttering)		
82969.00	5955.26	13.93	10 Sqm	Reinforced Cement concrete M-30 nearly corresponding to nominal mix. 1 cement: 1.1 sand: 2.25 steps.	P 208	ρα
192460.00	1212.96	158.67	E C	culverts as per drawing specification (labour and material).		
				Filling of stones/selected material in layers well packed behind retaining walls, breast walls, abutment/wing walls of bridges	P 601	7
638215.00	3578.18	178.36	Cum	Walling of rubble stone laid dry, well bonded, faced with selected stones and bult with bond or through stone evenly spaced @ 2 nos per sq meter of wall face.	P 501	6
978028.00	4486.59	217.99	Cum	Random or polygonal rubble walling incement mortar (1:6) brought to course 45cm high, well bonded with through/bond stones evenly spaced at 2 Nosper Sqm of wall face (material and Labour)	P 505	IJ
89546.00	7273.04	12.31	Cum	Plain cement concrete 1:2:4 (1cement: 2 coarse sand: 4 stone aggregate size 4cm graded downwards) in foundation or elsewhere (excluding the cost of centering/shuttering).	P 204	4
72498.00	4475.19	16.20	Cum	Plain cement concrete 1:3:6 (1 cement: 3 coarse sand: 6 stone aggregate size 4cm graded downwards) in foundation or elsewhere (excluding the cost of centering/shuttering).	P 203	3
362910.00	4162.38	87.19	Cum	Plain cement concrete 1:4:8 (1 cement: 4 sand: 8 stone aggregate of size 4cm graded downwards) in foundation or elsewhere (excluding the cost of centering/shuttering).	P 202	2
222851.00	436.36	510.70	Cum	Excavation in trenches not exceeding 1.2 m width and 1.5 m depth in soil/soil mixed with boulders (SMB), including dressing bottom and sides getting out and disposing all excavated material lead upto 6 m and lift upto 1.5 m. (by manual means)	P 101	_
					Pmt works	(ii)
-3537.00				Credit for GREF Pioneer		
-23745.00				Credit for GREF Tradesmen		
8733.00				Road Lift charges		
598802.00				Total (A)		
598802.00	359.36	1666.30	Cum	Earth work in embankment including excavation of earth and filling with earth work free from roots etc spreading in layers not exceeding 30 cm including watering rolling & finishing to required slope and level not exceeding 1.5 m above the base in plain area and for approaches to bridge in ordinary soil excluding cost of soil. (By manual means). For lead exceeding 6.00 m add item C-101 or C-102 as applicable.	7 /02	
					Fmn works	(1)
45793000.00	101/622.22	45.00	MU	abning an order showing a	Approach Road	(B) /
				45 m span steel superstructure through two bides	BR SSR 2019	
					Bridge Proper	A
					Name of Work	Name
Amount (Rs )	Rate (Rs.)	ФħУ	Ą	lo.  Brief description of SSR items	SSR 2016 item No.	SI No
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					S513	S814	S402B	S402	S809	S511	S109B		101	Surf works				SSR 2016 item No.
Credit for GREF Pioneer	Exita 1 pt Unarges for ready mix from HMP to work site	Extra Tot Charges for stone and sand	Road lift charges		Providing and laying <b>40 mm thick BC</b> on bituminous concrete layer with precoated stone chips grading confirming to Table:500-10 sqm 17 and mix satisfying the physical requirementt of table 500-16 of MORT&H specifications, mixed with 5% binder asphalt VG-10 penetration grade by weight of total mix and 2% cement by weight of mix (for filler) all as specified as per MoSRT&H data book.	Providing and applying <b>tack coat</b> with bitumen emulsion using emulsion pressure distributor @ 2.5 Kg/10 Sqm on prepared 10 sqm bituminous/granular surface cleaned with mechanical broom, all complete as per clause 503 of MoSRT&H specifications.	WBM 75 mm consolidated thickness of stone metal size 63 mm to 45 mm, grading No 2, as per Table-400-9 with type 'A' 10 sqm screening as per Table 400-10 and satisfying the physical requirement as per Table-400-8 of MORT&H specifications, spread, rolled, hollow made up to form true surface blinded and compacted to gradient and camber required all as specified.	ng No 1, as per Table-400-9 with type 'A' 400-8 of MORT&H specifications, spread, mber required all as specified.	red surface of granular base including clearing of road manual labour)	Providing and laying 50 mm thick DBM layer, precoated stone aggregate physical requirements/grading/mix composition 10 sqm requirement as per Table - 500-8/9/10 respectively of MORT&H specifications for road and bridge works with 4.250% asphalt VG-10 penetration grade as per MoSRT&H data book and rolled to the required specification.	GSB 15 cm thick (compacted) with stone aggregate conforming to grading No 3 as per Tables-400-1 of MORT&H 10 sqm specifications for Road and Bridge Works including supply of material, watering and compaction all complete.	GSB 15 cm thick (compacted) with stone aggregate conforming to grading No 1 as per Tables-400-1 of MORT&H 10 sqm specifications for Road and Bridge Works including supply of material, watering and compaction all complete.	cavated earth to required camber or the within a lead of 30 mtr.	ייין ביימין סטיוט טעוויט מווע סמווע	Royalty Charges for shope and send	Credit for GREE Facilities	Credit for GREE Tradesmen	Brief description of SSR items
				_	10 sqm	10 sqm	10 sqm	10 sqm	10 sqm			10 sqm	10 sqm					Σ
					96.08	96.08	99.92	99.92	96.08	96.08	103.76	103.76	103.76					Qty
					4815.53	166.99	2457.97	2359.24	747.18	5248.01	4141.10	4107.88	488.15					Rate (Rs.)
-38292.00	-16852 00	91286.00	171670.00	2442584.00	462652.00	16044.00	245595.00	235731.00	71785.00	504203.00	429685.00	426238.00	50651.00		41283.00	-109148.00	-185367.00	Amount (Rs.)

(Ajay Kumar Chikhale)
EE (Civ)
SO-I (Estg & Br)
for Chief Engineer

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